

**Plastic Pollution:
Virginia's Voters Support Action
2022 Public Perception Survey
March–May 2022**

Final Report



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Section 1
Report of Findings

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PROJECT BACKGROUND

Clean Virginia Waterways of Longwood University and the Virginia Coastal Zone Management Program, with support from the National Oceanic and Atmospheric Administration (NOAA), commissioned this public opinion research to better understand the perceptions and attitudes of Virginians related to plastic pollution and marine debris.

The research was designed to be representative of the Commonwealth's population and objective in its approach. We wanted to thoroughly understand public perceptions related to plastics – a topic that has not been well-researched in Virginia in the recent past. The research design enables us to describe not just what Virginians perceive on these issues, but also *why* they feel that way, which we will outline in the following pages. Due to a large amount of content related to public policy, the survey sample was focused on registered voters, who could influence these issues through the electoral process.

This research was conducted in two phases:

- 1. Representative Statewide Survey:** A total of 901 randomly-selected registered voters across Virginia were interviewed for the survey March 8–13, 2022. This survey sample produces a margin of sampling error of no more than $\pm 3.3\%$ at the 95% confidence level, meaning that if every Virginia registered voter had been interviewed, the actual results could be expected to fall within that margin at least 95% of the time.

In conducting the survey, two methods were used:

- A portion of the sample was reached through online consumer panels, which are databases of consumers who have signed up to take periodic surveys online about a wide variety of topics in exchange for a small incentive.
- The remainder of the sample was reached on wireless and landline telephones through a random sampling process. These calls were made by trained and supervised live interviewers, according to opinion research best practices, from our partner's market research call center.

Taken together, these two sampling methods helped ensure that the broadest possible cross-section of the public participated in the survey. With each method, potential survey participants were screened to ensure they were registered to vote in Virginia. Throughout this process, sampling targets for various population subgroups were established that matched the characteristics of Virginia's registered voter population.

After the sample was collected, statistical weights were applied to bring the sample into close compliance with the demographic composition of the population, based on the latest available estimates from the U.S. Census Bureau's American Community Survey and other publicly available data describing Virginia's electorate.

This is a breakdown of the survey sample:

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Survey Sample Composition	
	Virginia
Under age 25	7%
25 to 34	18%
35 to 44	17%
45 to 54	17%
55 to 64	16%
65 or more	19%
Prefer not to say	6%
Caucasian or White	69%
African-American or Black	21%
Hispanic or Latino	5%
Asian	8%
All others	5%
Prefer not to say or not sure	2%
Male	49%
Female	50%
Another gender category	1%
Prefer not to say	1%
Democrats	33%
Republicans	32%
Unaffiliated or not sure	35%
Politically Progressive	27%
Moderate	39%
Conservative	29%
Prefer not to say or not sure	6%

2. In-Depth Interviews: To better understand voters’ reasoning on several of the key issues explored in the survey, 10 individual in-depth interviews were conducted virtually on the Zoom platform among a cross-section of survey respondents, May 11-17, 2022.

These 45-minute interviews sought to gain a deeper understanding of perceptions of marine debris, attitudes about plastics in the environment, and motivations to support or oppose the public policy measures tested on the survey. Interview participants received a stipend in recognition of the time and effort to attend. Their observations are quoted throughout this report, opening a window into voters’ thinking on some of the major issues addressed in the survey.

OpinionWorks LLC, an independent research organization based in Annapolis, Maryland, developed and conducted this perceptions research in discussion with a project team led by Katie Register, Executive Director of Clean Virginia Waterways, and Laura McKay, Program Manager, Virginia Coastal Zone Management Program. This work was made possible by funding from NOAA.

Full results follow. Additional material is appended, including the survey questionnaire with aggregate data and verbatim responses (Tab 2), segmented data for a variety of population subgroups (Tab 3), and the in-depth interview guide and transcripts (Tab 4).

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EXECUTIVE SUMMARY

This perceptions research, consisting of a representative survey of 901 Virginia voters, coupled with ten in-depth follow-up interviews, provides a comprehensive picture of public attitudes about plastics in the environment. What emerges is a Virginia public that is deeply concerned about plastic pollution, worrying about the impact on aquatic life and the prevalence of microplastics making their way into the food supply. This translates into broad support for various public policy measures designed to reduce plastic pollution, as well as a willingness to take individual actions in their own daily lives.

This is a summary of the main research findings:

- Considering a list of eleven problems in the environment, economy, and COVID-19, plastic floating in the ocean was the number two concern behind inflation and the cost of living. Plastics and toxins contaminating human food was the third-ranking concern.
- The two concerns about plastic pollution surpassed a host of other problems including climate change, lack of good paying jobs, and the ongoing effects of the pandemic.
- Worries about plastic in the food supply are visceral and highly motivating.
- Describing how they feel when they see litter on the ground and images of marine debris, respondents used emotionally laden words, expressing strong, reactive feelings.
- Testing terminology, we learned that “plastic ocean pollution” and “plastic pollution” are much more evocative than “marine debris.”
- In discussion during the in-depth interviews, participants revealed that they did not know that plastic is typically made from petrochemicals. Finding that out was surprising and disturbing to them, raising health, climate, and scarcity concerns all at once.
- Poor ratings of tap water are driving increasing bottled water consumption, producing many plastic bottles. More than health and safety, tap water *taste* appears to be driving bottled water demand. In fact, it appears that bottled water consumption continues to increase, especially in communities of color and among people with lower socio-economic status.
- About one-quarter of Virginians admit to dropping trash on the ground. The behavior is markedly more pronounced among people under age 25, and decreases as one ages through their 30s.
- Meanwhile, about two-thirds of Virginians said they pick up litter they see at least sometimes.
- In the legislative realm, voters expressed support for a range of proposals meant to address plastic pollution. Strong majorities support a plastic bag ban, bottle bill, polystyrene ban, and cigarette pack litter fee. Very large majorities want to require producers to limit plastic packaging and to help pay for local recycling programs. Pluralities would impose five-cent bag fees and ban plastic straws.
- Among five behavioral actions tested, respondents were most interested in reusable water bottles and reusable shopping bags. The survey provides detailed information about the most likely population subgroups who could be engaged in these behaviors.
- A variety of public agencies and private groups were tested for the level of trust the public invests in information they might provide about plastic pollution. State agencies emerged with very high trust, as did the Virginia Aquarium & Marine Science Center.

Detailed results follow.

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DETAILED FINDINGS

Voters’ High Level of Concern about Plastic Floating in the Ocean

The statewide survey assessed the level of concern that Virginia’s voters feel about a wide range of challenges. The problems of marine debris and litter found on the ground were measured in the context of a range of other environmental issues. These included climate change, the loss of natural areas and animal habitat, toxins in the environment, and other problems. In turn, this suite of environmental concerns was contextualized within the broader motif of inflation and the pandemic, which were prevalent in early 2022.

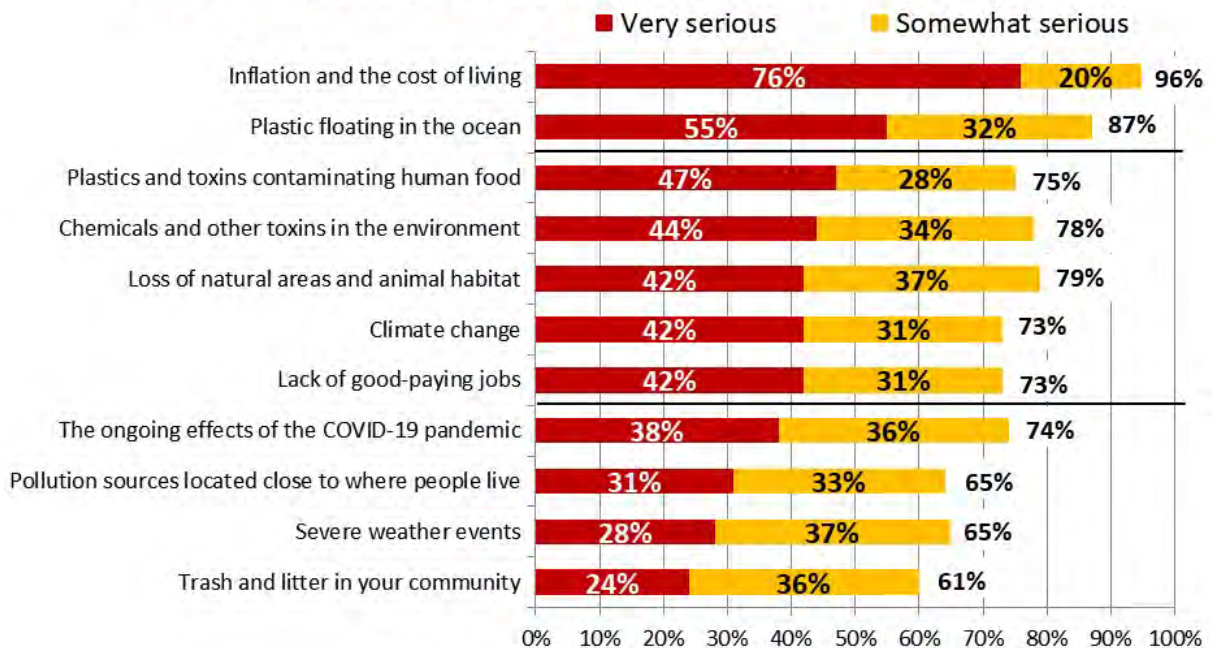
Survey respondents were asked to rate each problem on the four-part scale: “very serious problem, somewhat serious problem, not much of a problem, or not a problem at all.” On this scale, it is helpful to combine the top two points (very + somewhat serious) as a total “problem” rating, and also consider the “very serious” point on its own as a measure of *intensity*.

What we found was a tremendous level of concern about plastics in the environment, with an acute focus by the public on plastics floating in the ocean. “Inflation and the cost of living” topped the list, with an astonishing total problem rating of 96%, and three-quarters of the public (76%) considering inflation to be a very serious problem.

But “plastic floating in the ocean” followed just behind, with a total problem rating of 87%, and a 55% majority calling it “very serious.”

Rating the Seriousness of Problems

Top 2 Points on the Scale Shown; Ranked by “Very Serious”



Do you consider each of the following to be a very serious problem, somewhat serious problem, not much of a problem, or not a problem at all?

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Third on the list of problems, and the second-highest environmental concern, was another issue related to plastic: "Plastics and toxins contaminating human food." Three-quarters (75%) called that a problem, and a near-majority of 47% said it was a very serious problem.

In the next tier are chemicals and other toxins in the environment, loss of natural areas and animal habitat, and climate change. Each of these received a "very serious" number in the low to mid-40s, and a total problem number amounting to about three-quarters of Virginians. These three environmental problems were on par with "lack of good-paying jobs," which was a major concern as Virginia was only beginning to emerge from the economic fallout brought on by the pandemic.

Rounding out the list of problems were the ongoing effects of the COVID-19 pandemic, pollution sources located close to where people live, severe weather events, and trash and litter in your community.

Floating Plastic More Concerning Than Trash on the Land

It is noteworthy that trash and litter on the land, in one's own community, is much *less* of a concern than plastic floating in the ocean. Describing this disconnect, in-depth interview participants were apt to cite the ecosystem that is found in the water, and the innocence of life there. This point of view is illustrated by Carol, an in-depth interview participant from Williamsburg:

"It's very disturbing. I am concerned about...plastic pollution in the water and elsewhere because it affects all the fish and wildlife and people. It's not good, and it's something that we really need to get a handle on, because it's gotten to the critical point right now." – Carol, Williamsburg

Plastics in Our Food

There was a great deal of focus and concern expressed by the in-depth interviewees about the presence of microplastics in the food supply. The topic was already on the minds of most interviewees, but when they were informed about a recent study that documented the amount of plastic that an average person consumes, participants were set back on their heels. They indicated that they would have to do some thinking, and might be looking for ways to make some changes in what they consume.

"That's a big surprise, to be honest. (That makes me feel) kind of groggy...sick a little bit, just to think about it. You just imagine yourself biting plastic and eating, and that doesn't feel right or good at all." – Edgar, Alexandria

"I'm going to have to think a lot about what I'm eating now. ...It's gross, it's sickening to know that." – Taylor, Fairfax

"I don't want to put that in my body. ...We are what we eat and we're all interconnected. What we put into the ocean comes back to us." – Helen, Ashburn

"I think plastic pollution is a huge problem, especially for the wildlife and everything. ... If we keep dumping as much plastic into the ocean as we are, we're not going to have usable seafood in a generation." – Henry, James City County

Plastic Pollution as a Motivating Concern

One of the key learnings from this work is how worried, moved, and motivated voters are as a result of plastic pollution. The emotional response felt by so many people translates into a desire to bring change, both legislatively and through their own individual action. Here is how one in-depth interviewee summarized her feelings:

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“It really kind of makes me sad that people won't take care of the Earth, and they'll just discard trash, not thinking anything about how it affects the ecosystem that we live in... It doesn't make me necessarily angry. It just makes me kind of perplexed, like it makes me wonder, why is this happening? Why hasn't anybody done something to help stop this, or reduce this?” – Monique, Roanoke

Another interviewee takes a more cynical approach:

“I know the environment's in a bad condition and most companies don't really care. They care about making a dollar. They don't care anything about us. They don't.” – Michael, Hampton

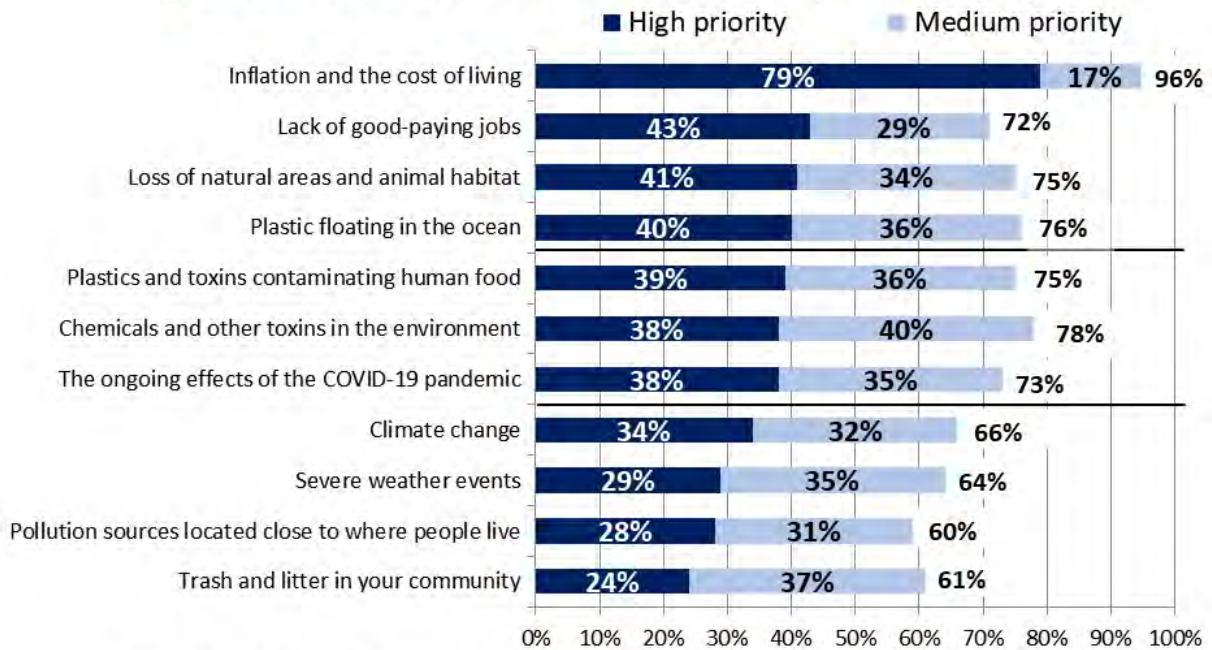
Voters’ Personal Priorities for Addressing These Problems

Even if voters view these issues as a problem, they may not consider them to be a personal *priority*. To assess that, each of these 11 items was measured again, and survey respondents were asked to rate them on the more personal scale of “not a priority, a low priority, a medium priority, or a high priority for you.” Concern about plastics again ranked high.

In the chart below, this list of concerns is ranked based on the number who said an item was a high priority. Two economic concerns rose to the top of the list: inflation and the lack of good-paying jobs.

Voters’ Personal Priorities

Top 2 Points on the Scale Shown; Ranked by “High Priority”



Let’s look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.

On par with the lack of good paying jobs – arguably higher – were the loss of natural areas and animal habitat, and plastic floating in the ocean. The next-highest priorities were plastics and toxins contaminating human food, and chemicals and other toxins in the environment. The ongoing effects of

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the COVID-19 pandemic followed. As this list indicates, floating plastic and its impacts are high personal priorities for Virginians.

Following a bit further behind were climate change and severe weather events, pollution sources located close to where people live, and – at the bottom of this list – trash and litter in your community.

In the in-depth interviews, participants indicated a similar pattern. The elevated concern about *floating* debris, particularly plastic, related at least in part to the futility people feel about addressing floating debris and micro-plastics in the water. How could it ever be removed?, they asked.

But when the interviewer introduced the fact that “about 80% of the plastic in the ocean comes from inland sources, like litter by the roadside, overflowing trash cans, cigarette butts, balloon releases, food and beverage containers,” participants were uniformly surprised. This fact reframed their thinking, focusing interviewees on the impacts of land-based litter. Here was a typical comment:

“I didn’t know that 80% (of the plastic in the ocean) comes from inland. And so I think understanding that basically the litter in our community is what makes up the litter in the ocean is a huge game changer.” – Taylor, Fairfax

Littering Behavior: Dropping It and Picking It up

Knowing that litter and trash on the land is a key source of marine debris, the survey explored individual behavior and attitudes regarding litter. In two questions that we have developed and asked in other communities dating back 15 years and tested extensively in focus groups, Virginia residents were asked if they ever toss litter, and if they ever pick it up when they see it and throw it away. The questions were asked this way:

“Sometimes people toss things on the ground when they are not near a trash can. What about you? Do you often, sometimes, seldom, or never toss something on the ground when you are done with it?”

“When you see litter on the ground that someone else has put there, do you often, sometimes, seldom, or never pick it up and throw it away?”

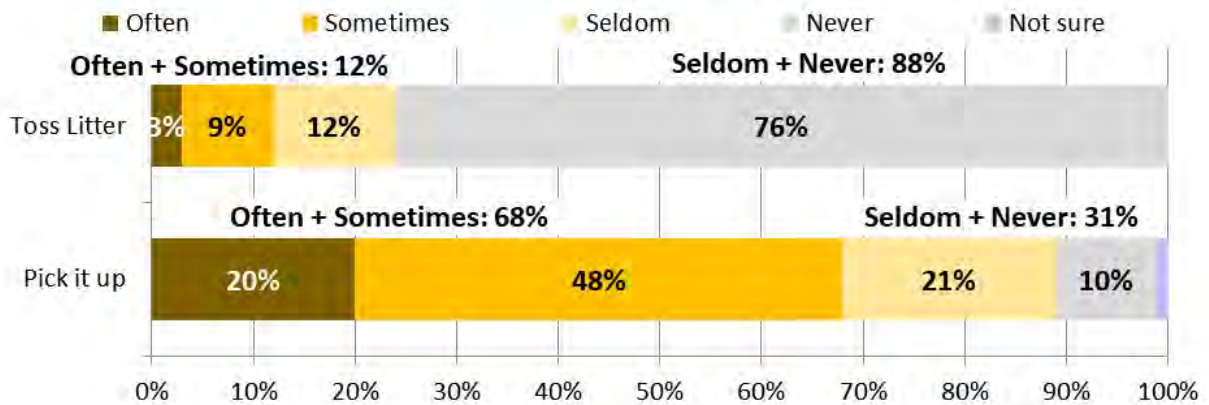
As illustrated below, 12% of Virginians admitted that they often or sometimes toss things on the ground. Another 12% said they “seldom” do, bringing the total share of the public that at least occasionally tosses litter to about one-quarter. The other three-quarters (76%) said they “never” toss things on the ground.

Littering behavior is much more pronounced among Virginians under the age of 25, dipping significantly between the ages of 25 and 45, and dropping off almost completely after 45.

As for picking up litter when they see it, 20% said they often do, and 48% said they sometimes do – bringing the total to about two-thirds of the public who could be said to be actively picking up litter at least sometimes when they see it. The other one-third (31%) seldom or never pick it up.

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Littering Behavior



Sometimes people toss things on the ground when they are not near a trash can. What about you? Do you often, sometimes, seldom, or never toss something on the ground when you are done with it?

When you see litter on the ground that someone else has put there, do you often, sometimes, seldom, or never pick it up and throw it away?

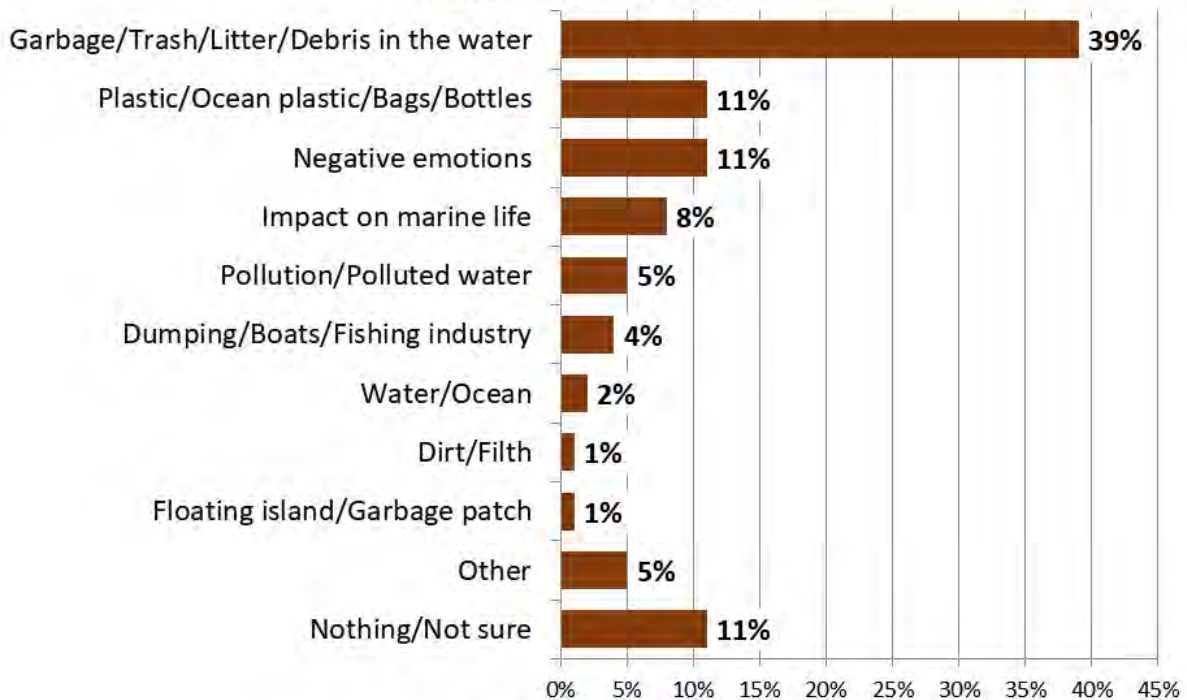
Promoting picking up litter is an important part of the strategy. Based on other in-depth work we have conducted with frequent litterers, they typically indicate they are much less likely to litter in neighborhoods where they can tell people are picking up and trying to keep things clean, and where there is social pressure not to litter. Picking up litter conveys the sense that this community cares about itself.

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When People Hear “Marine Debris”

Categorized Responses



What do you think of when you hear the term “marine debris?”
(Open-ended. Categorized responses shown.)

Terms That Seem More Serious

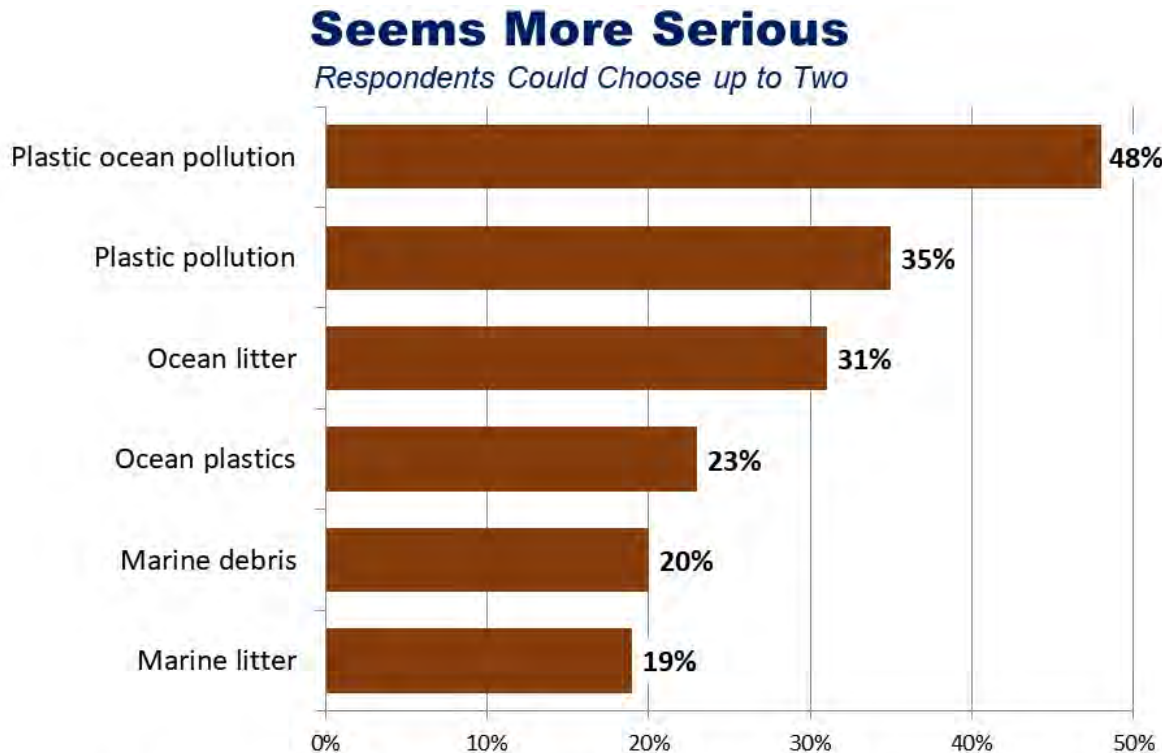
Additionally, a range of possible terms for floating debris were tested, including the common term “marine debris.” Respondents were asked, “Which words seem more serious to you, or like a bigger problem?” They were invited to choose up to two from the list. The terms were:

- Marine debris
- Marine litter
- Ocean litter
- Ocean plastics
- Plastic ocean pollution
- Plastic pollution

A reason for conducting this exercise is to understand how to communicate with the public and speak in terms that convey the seriousness of the problem. In this exercise, like others on the survey, plastic rose high on the list. Combining plastic with the idea of “pollution” sounded more serious to respondents. Consequently, about half (48%) of the sample chose “plastic ocean pollution” as one of the two most serious terms. “Plastic pollution” was second, chosen by about one-third (35%).

Interestingly, the term most commonly used today, “marine debris,” landed near the bottom of this list.

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Which words seem more serious to you, or like a bigger problem? Choose up to two.
(Words randomized)

Finding out That Plastic is Made from Petrochemicals

The in-depth interviews delivered an unexpected finding about the derivation of plastic, and the impact on consumers of knowing where plastic comes from. Though the question was not asked on the survey, in the in-depth interviews participants were asked if they knew what plastics are typically made from. Of the ten interviewees, *none* knew that most plastics are sourced from petrochemicals.

The impact of learning the source of plastic was arresting for participants. Their reactions were strong, even verging on disgust or revulsion for some. They free-associated as they verbally processed those concerns, recoiling at the thought of storing food in plastics sourced from oil, thinking about possible climate change impacts, or the unknown, possibly dangerous chemicals that go into creating plastic.

One participant thought of the unpleasant smell of gasoline he notices as he fuels his vehicle. Another, as noted below, focused on oil as a non-renewable resource. Keep in mind that these interviews were being conducted as gasoline was hovering around \$5.00 per gallon in May 2022.

“That’s, that’s intense. I didn’t know that. I knew there were like a lot of chemicals that were put into making plastic, but I didn’t know that essentially the same thing that we used to drive around is what’s in plastic.” – Taylor, Fairfax

“They come from a non-renewable resource, and those are limited. And so when I think about using plastics and the idea of recycling plastics or reusing plastics, it’s not just the purpose of not polluting and littering, but also this idea that it comes from a non-renewable resource.” – Jamie, Norfolk

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How Attitudes about Tap Water Impact Plastic Consumption

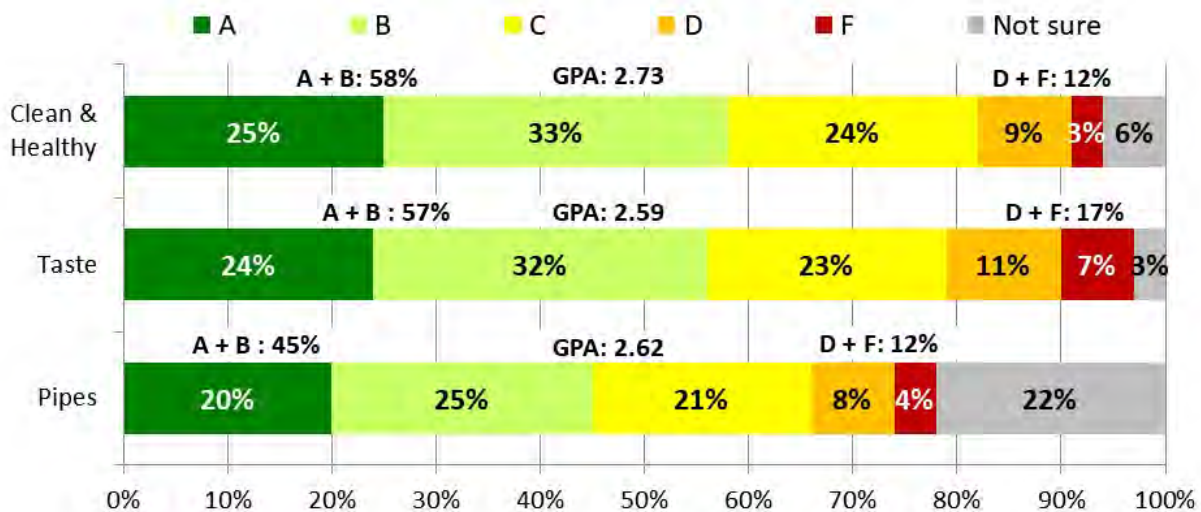
People’s attitudes about and perceptions of their tap water at home help determine whether they will drink it, or seek alternatives like bottled water. The survey measured Virginians’ perceptions of three issues related to their tap water, measured on a traditional A through F grading scale:

- How clean and healthy the water is
- How it tastes
- The condition of the pipes coming to your home

The chart below illustrates the range of responses. On all three of these issues, the overall score equates to a B-Minus (or a mean ranging from 2.59 to 2.73 on a traditional 4-point grading scale where A=4 and F=0).

- For being clean and healthy, 58% gave their tap water a positive grade of A or B, while 12% gave it a negative grade of D or F. The average was 2.73.
- For taste, 57% graded their tap water positively (A or B), and 17% negatively (D or F), for an average score of 2.59.
- For the condition of their pipes, 45% gave a positive grade and 12% a negative one, while a sizable 22% said they did not know. The average was 2.62.

Grading Tap Water



Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent, and F is failing.

- How clean and healthy the water is
- How it tastes
- The condition of the pipes coming to your home

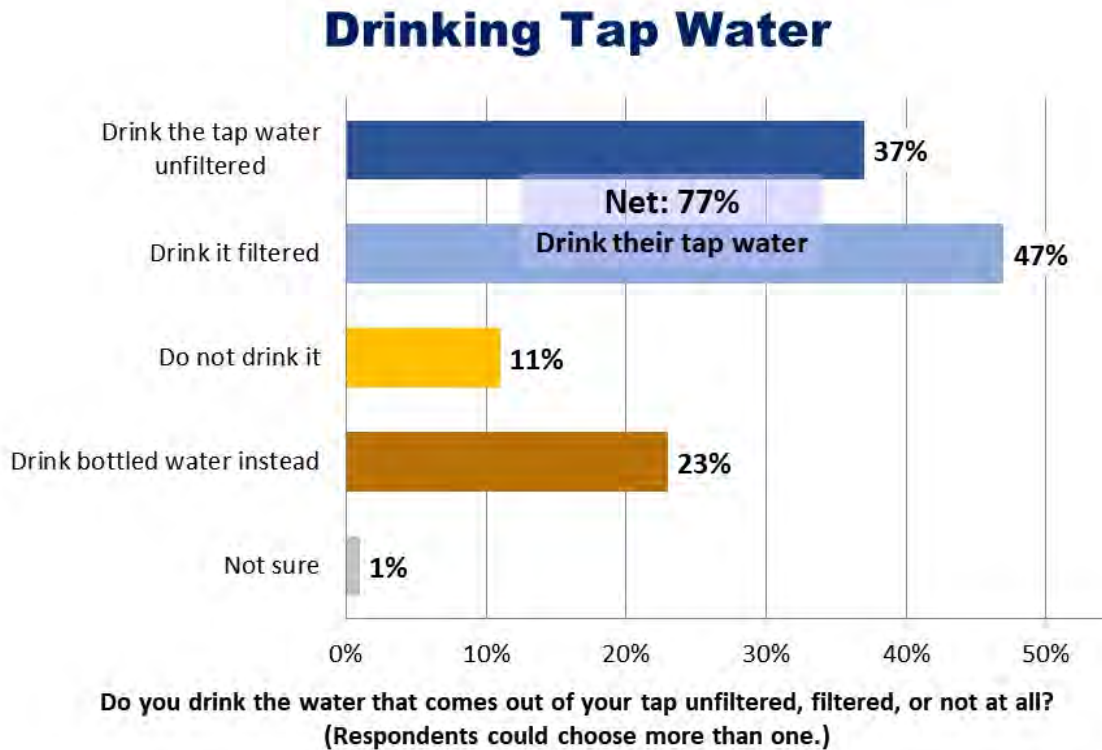
It should be noted that there are some disparities within the overall population around the perceptions of tap water. African-Americans are more likely than other groups to downgrade the cleanliness and healthiness of their tap water, as are voters with lower socio-economic status (as measured by educational attainment).

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Many People Avoiding Tap Water

The result of these grades is that only 37% of Virginians drink their tap water unfiltered. About half (47%) drink their tap water filtered, while 23% said they “drink bottled water instead,” and 11% do not drink it at all.

Note that people could choose more than one of these options, because they may do different things at different times or in different circumstances. The net is that only 77% of residents across the Commonwealth drink their tap water at all, whether filtered or unfiltered.



Taste appears to be a major issue among people who do *not* drink their tap water. Almost two-thirds (64%) of those who do not drink it grade the taste of their tap water as C or lower, compared to only 40% of the general population.

Increasing Consumption of Bottled Water (and Plastic Water Bottles)

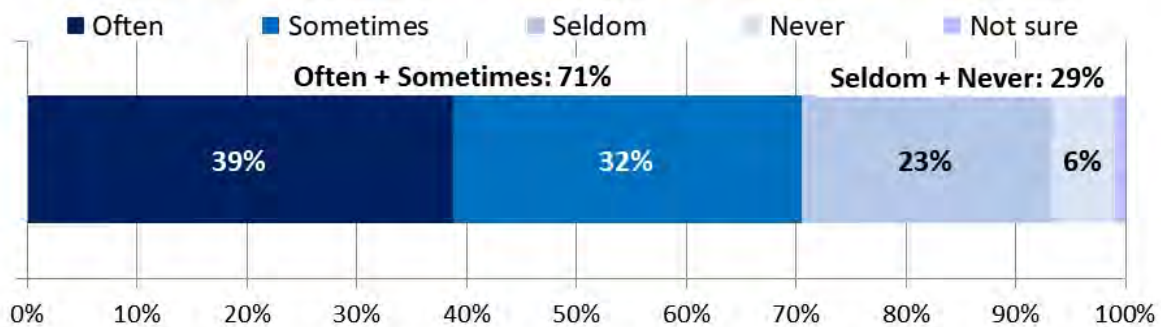
Turning to bottled water, a sizable 39% of residents across Virginia drink bottle water “often.” Adding in those who drink it “sometimes,” the total rises to almost three-quarters (71%). Fewer than one-third (29%) drink bottled water seldom or never.

Compared to the 39% of the general population who drink bottled water often, these groups were much more likely to say they drink it often: African-Americans (58%), Hispanics (52%), and voters with only a high school education (54%).

Less likely to drink bottled water often were these groups: Northern Virginia residents (31%), suburban residents (34%), Asian (29%) and White voters (33%), and those over age 65 (31%).

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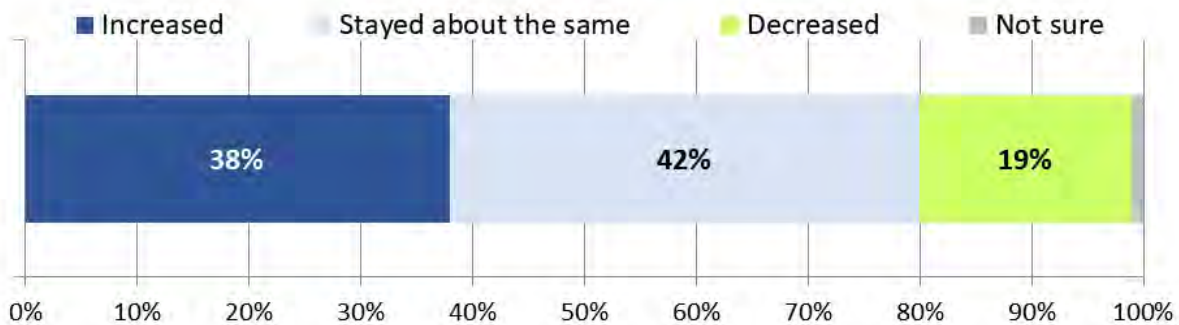
Frequency Drinking Bottled Water



Do you drink bottled water often, sometimes, seldom, or never?

What's more, the amount of bottled water that people drink appears to be dramatically increasing. Thirty-eight percent of the sample said the amount of bottled water they drink has increased "compared to a few years ago." That is double the 19% who said their bottled water consumption has decreased. Meanwhile, four in ten (42%) said their consumption has stayed about the same.

Trend in Drinking Bottled Water



Compared to a few years ago, has the amount of bottled water you drink increased, decreased, or stayed about the same?

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Legislative Action: Support for Public Policy Measures Related to Plastic Waste

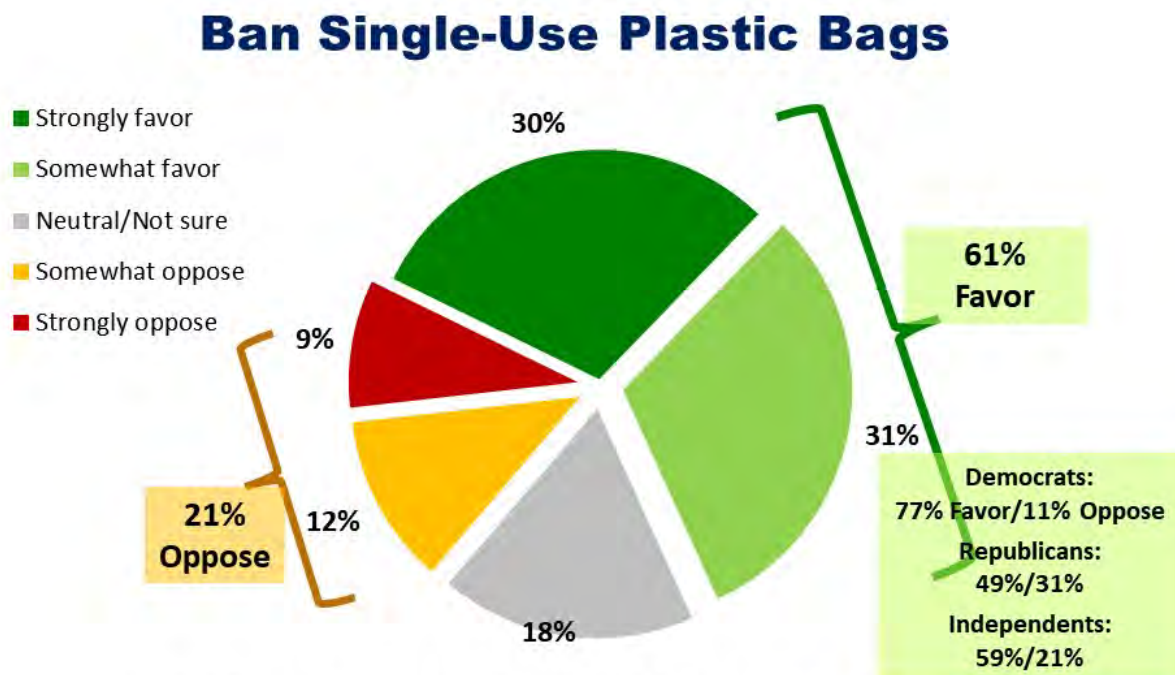
This statewide survey, conducted among a representative sample of registered Virginia voters, measured the level of support for a series of possible legislative initiatives aimed at curbing the amount of plastic in the environment. Each policy proposal was measured on this scale: strongly favor, somewhat favor, are neutral, somewhat oppose, or strongly oppose.

Throughout this discussion of possible legislative matters, support and opposition will be broken out by political party, to help determine whether support for a proposal is cross-cutting, or is more heavily concentrated among adherents of one party. Though Virginia does not have partisan voter registration, survey respondents were asked with which political party they more strongly identify. Results are also broken out by major regions of Virginia throughout the following discussion on public policy.

Banning Single-Use Plastic Bags

There is strong support across Virginia for a proposal to “ban single-use plastic grocery and shopping bags and require paper or reusable bags instead.” The solid 61% majority in favor of this proposal is nearly three times the size of the opposition (21% opposed). Almost one voter in five (18%) remains neutral or not sure about a plastic bag ban.

In partisan terms, large majorities of Democrats (77%) and Independent voters (59%) favor this measure, along a 49% plurality of Republicans.



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Ban single-use plastic grocery and shopping bags and require paper or reusable bags instead.

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By region, support for a plastic bag ban is strong across all regions of the Commonwealth, well surpassing 50%. Support is *strongest* in Northern Virginia, the Richmond area, and the rural Tidewater (generally east of I-95 between Northern Virginia and Hampton Roads, including the Eastern Shore).

Ban Single-Use Plastic Bags

	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	68%	62%	58%	64%	56%	58%
Oppose	21%	18%	21%	8%	25%	23%
Neutral/Not sure	11%	20%	21%	28%	18%	20%

An in-depth interviewee summed up her support for this proposal this way:

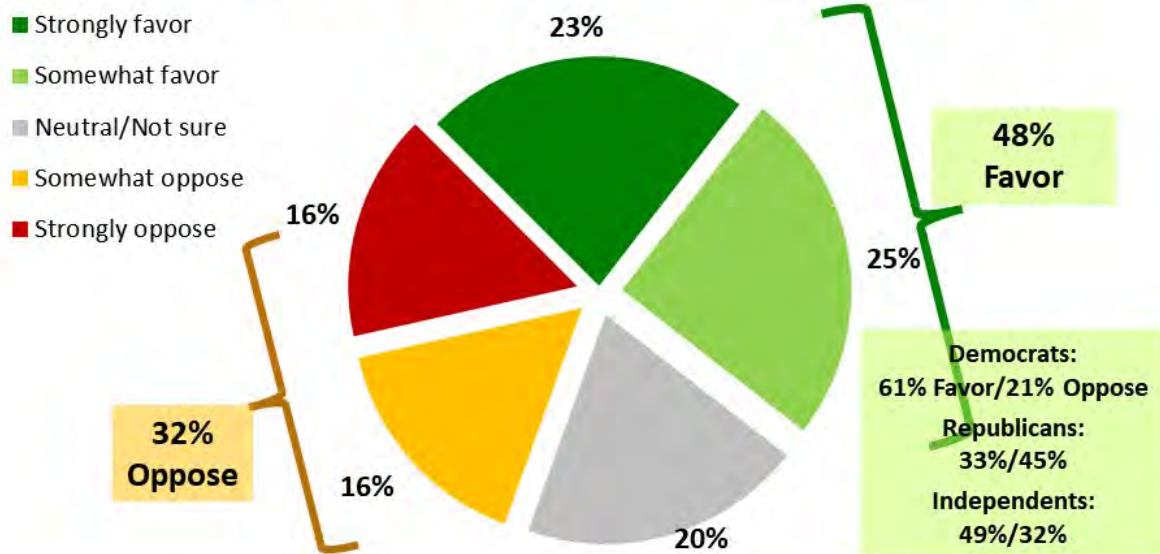
“I (have) so many plastic bags just thrown in a drawer. People don't reuse (them). I think it's about time and it's not hard to bring your own bag.” – Patricia, Reston

Placing a Five-Cent Fee on Single-Use Plastic Bags

A 48% to 32% plurality of voters favors placing “a five-cent fee on single-use plastic bags to discourage their use.” One-fifth of voters (20%) are neutral on this proposal.

While support for banning single-use plastic bags cut across party lines, attitudes toward a five-cent fee take on a more partisan tone, with 61% of Democrats in favor, compared to 49% of Independents and 33% of Republicans.

5-Cent Fee on Single-Use Plastic Bags



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Place a 5-cent fee on single-use plastic bags to discourage their use.

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Support for a 5-cent bag fee is by far the strongest in Northern Virginia, where the fee has been widely implemented. This follows a pattern of other jurisdictions, where support increases once residents experience the fee in practice. Elsewhere in the Commonwealth, pluralities support a bag fee, except in the rural Tidewater, where opposition narrowly edges out support, but well within the survey’s margin of error.

5-Cent Fee on Single-Use Plastic Bags

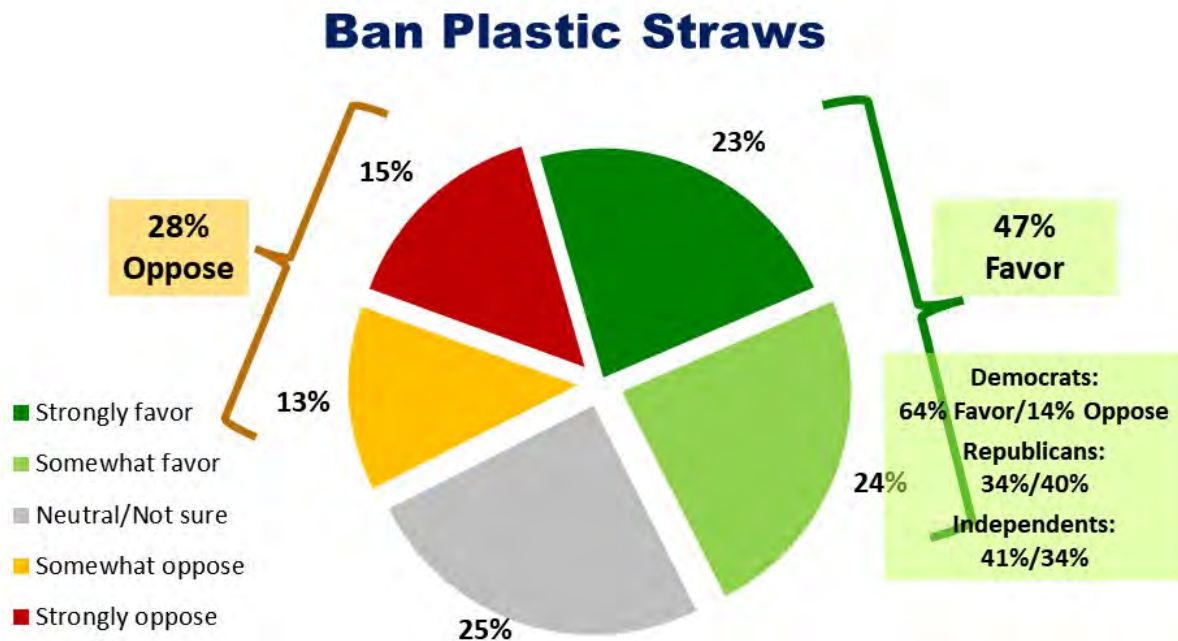
	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	58%	45%	47%	37%	42%	44%
Oppose	29%	33%	25%	39%	37%	39%
Neutral/Not sure	14%	21%	27%	24%	22%	18%

In-depth interviewees explained that they expected the five-cent fee received lower support than a total bag ban because the fee would be upsetting to some consumers when it came time to check out of the store. They imagined the scene as the customer ahead of them reacted badly to having to pay the fee. A bag ban avoids all that, they said.

Banning Plastic Straws

A near-majority, 47% plurality, supports banning plastic straws, while 28% oppose it. A comparatively large 25% of voters are neutral or not sure how they feel about this proposal.

Like the five-cent bag fee, there is a partisan tone to support for banning plastic straws. Democrats support it by better than four-to-one (64% to 14%), while Independents only narrowly support a straw ban (41% to 34%), and Republicans narrowly oppose it (34% to 40%).



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Ban plastic straws.

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Regionally, support for banning plastic straws is stronger in Northern Virginia and Hampton Roads, followed by the rural Tidewater.

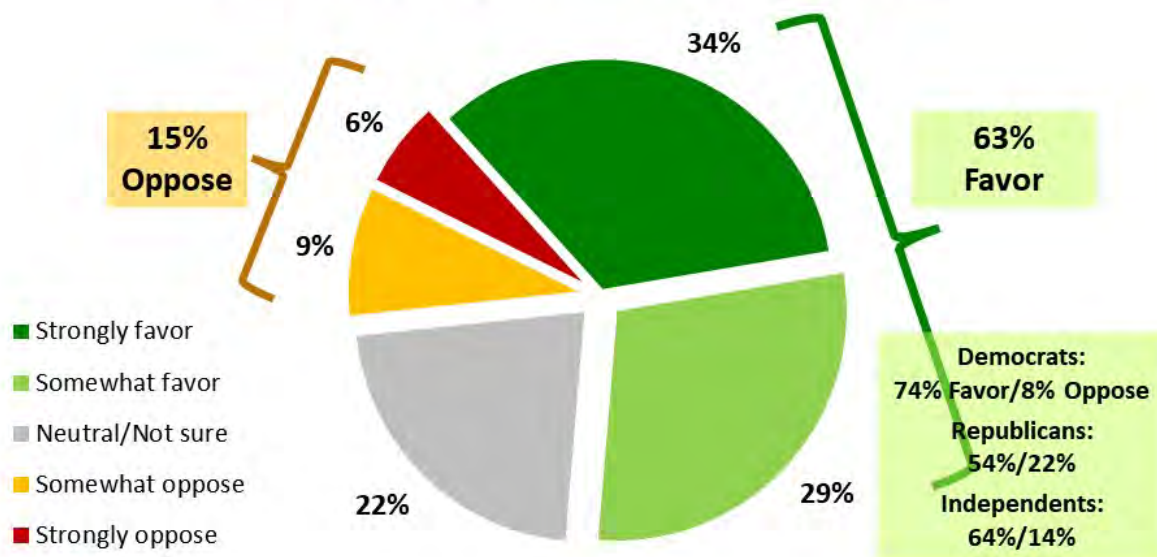
	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	53%	41%	50%	46%	43%	42%
Oppose	23%	35%	26%	25%	36%	31%
Neutral/Not sure	25%	24%	24%	29%	21%	14%

Banning Polystyrene Containers

There is strong, cross-cutting support for banning “polystyrene or foam take-out containers.” Overall, voters statewide favor this proposal overwhelmingly by a margin of 63% to 15%. About one-fifth of voters (22%) are neutral or not sure.

Support for banning polystyrene cuts across party lines. While Democrats support this proposal by a resounding 74% to 8%, Republicans also favor a ban by a solid margin of 54% to 22%. Independents favor it 64% to 14%.

Ban Polystyrene Containers



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Ban polystyrene or foam take-out containers.

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The Piedmont and Mountain regions of Virginia join Northern Virginia, Hampton Roads, and the rural Tidewater in posting support numbers for a polystyrene ban well above 60%.

Ban Polystyrene Containers

	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	67%	56%	67%	68%	51%	62%
Oppose	12%	15%	12%	17%	26%	17%
Neutral/Not sure	21%	29%	21%	15%	23%	21%

In-depth interviewees across-the-board exhibited strong support for the proposal to ban polystyrene take-out containers, with an attitude verging on impatience. They felt such a ban was just common sense. As illustrated in this quote, several interviewees felt this is a measure that should have been put in place years ago.

“This would’ve been great legislation back in 1990. ... This is something that not only do I support it, I think that it should be given two months or two weeks to find alternatives. Because there’s so many alternatives out there. There’s so many things that are compostable, there’s so many things that are easily recyclable and cheaper for the restaurants. I have no clue why places are still using Styrofoam.” – Henry, James City County

“I think they’re the worst because they take so long to break down and people never ever...use (them) more than once. They don’t recycle, I mean, can you even recycle them?” – Helen, Ashburn

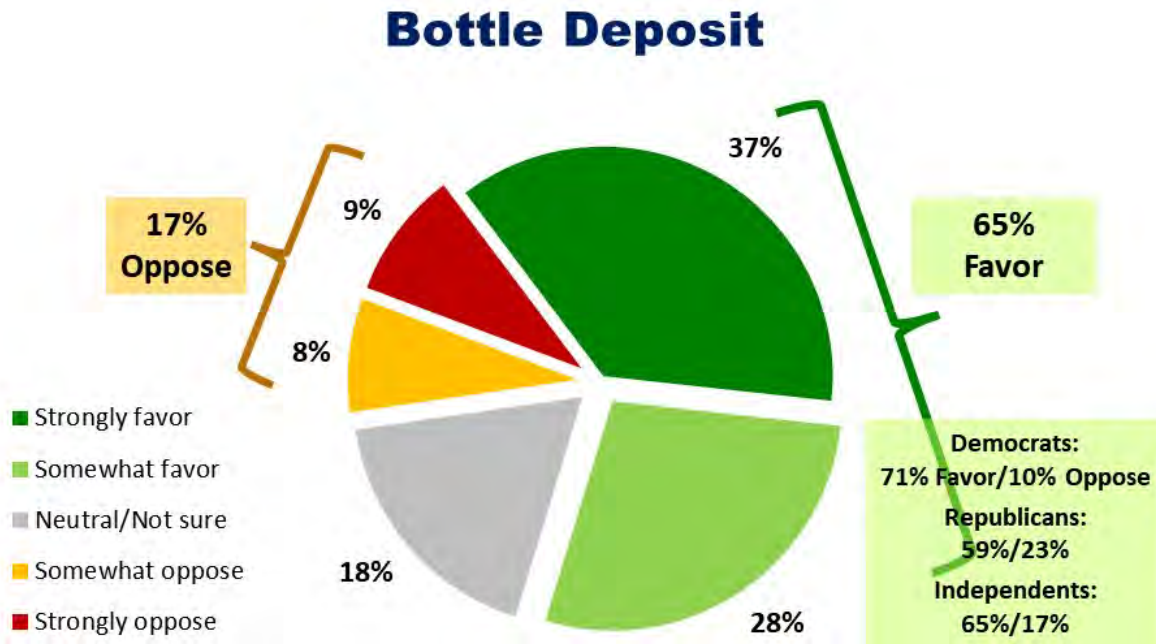
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March-May 2022

Bottle Deposit

It is often thought that a bottle deposit law is not viable legislatively and could not become law. Voters, though, see this as a common-sense measure and strongly support it. In fact, support reaches almost two-thirds (65%) of Virginia voters, with only 17% opposed. Eighteen percent are neutral or not sure.

This is one of the least partisan issues measured on the survey, with 59% of Republicans, 71% of Democrats, and 65% of Independents in support.



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Charge a 5-cent or 10-cent fee on bottled drinks that you get back when you return the bottles to a store or redemption center.

The bottle deposit is popular in every region, reaching towards two-thirds of voters everywhere.

	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	65%	63%	66%	76%	65%	63%
Oppose	20%	21%	13%	13%	15%	17%
Neutral/Not sure	15%	16%	21%	10%	20%	20%

In-depth interviewees understood the benefits of a bottle deposit in encouraging litter clean-up and recycling, and they liked the fact that you can get your deposit back.

“People need incentives to do things. You need incentives to do most everything. ...So when you give a person an incentive, oh, I paid the 10 cents now, but I get it back when I return it. Oh sure, I’ll do it.” – Michael, Hampton

“About time. ...It keeps the streets clean. Even kids will pick up the bottles. They should do it with cans too.” – Patricia, Reston

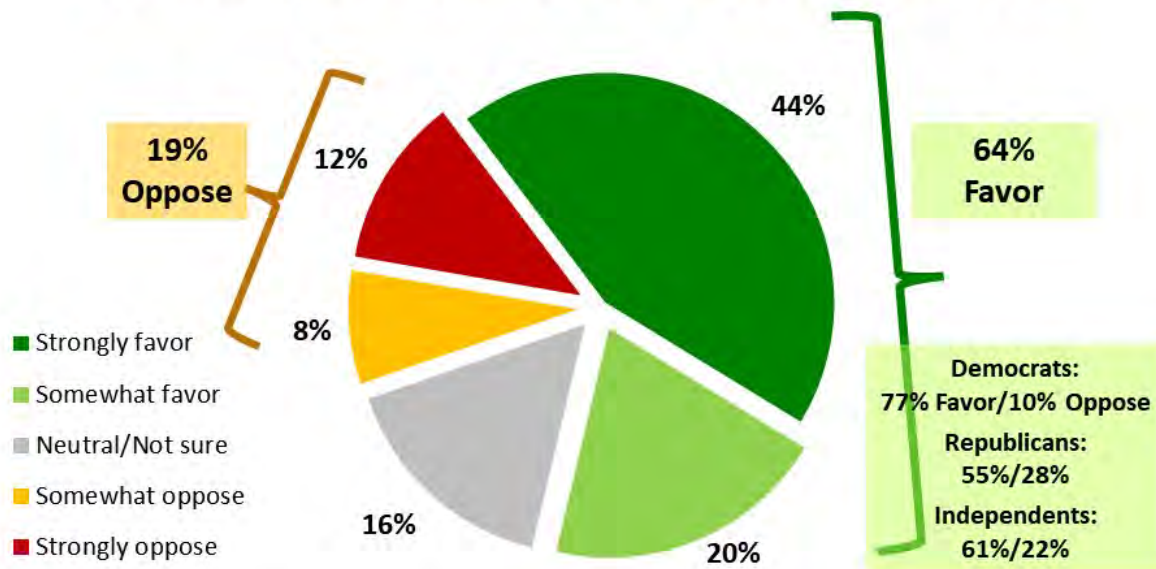
March-May 2022

Per-Cigarette-Pack Litter Fee

Virginia has a long history with tobacco. Nonetheless, the proposal to “charge a 50-cent-fee on each pack of cigarettes to help pay the cost of cleaning up littered cigarette butts” is met with strong support from voters. Almost two-thirds (64%) favor a per-pack litter fee, compared to only 19% in opposition. One in six voters (16%) are neutral or not sure.

Support crosses party lines, with Republicans in favor by two-to-one (55% to 28%), reaching even higher levels among Independents (61%) and Democrats (77%).

50-Cent per Cigarette Pack Litter Fee



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Charge a 50-cent-fee on each pack of cigarettes to help pay the cost of cleaning up littered cigarette butts.

Southside is an outlier of low support for this proposal, but even there support is two-to-one in favor. Elsewhere, support for a per-pack litter fee is generally in the 60s, reaching 71% in Northern Virginia.

Per-Cigarette-Pack Litter Fee

	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	71%	59%	65%	64%	49%	63%
Oppose	17%	23%	16%	21%	25%	21%
Neutral/Not sure	11%	17%	19%	16%	25%	17%

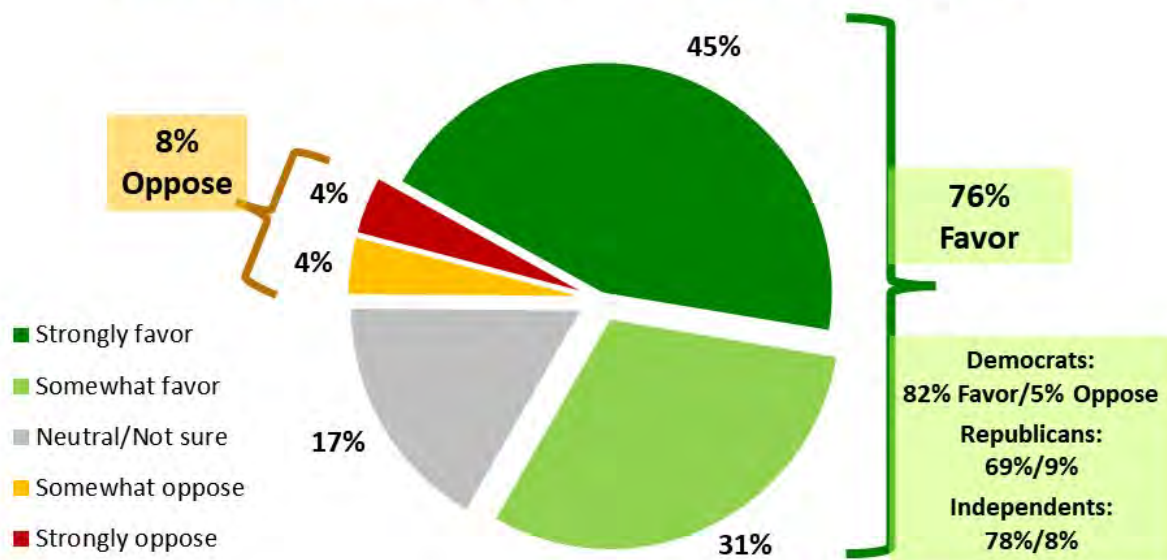
March-May 2022

Less Plastic in Packaging

Overwhelmingly, Virginia voters want to see producers reduce the amount of plastic in their product packaging. This translates into resounding support for a proposal to “require manufacturers to use less plastic in product packaging.” Overall, three-quarters (76%) of voters support this initiative, with only 8% opposed. This result is as near consensus as almost any public policy proposal can be in the current political environment. Seventeen percent of voters are neutral on this question.

In partisan terms, support is well above two-thirds across all political stripes. Opposition does not rise out of single digits within any partisan subgroup.

Require Less Plastic in Packaging



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Require manufacturers to use less plastic in product packaging.

This is an enormously popular proposal, with support in the high 60s and 70s everywhere in the state. The 94% recorded in the rural Tidewater could be an anomaly due to low sample size in that region.

Require Less Plastic Packaging

	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	78%	68%	74%	94%	68%	78%
Oppose	6%	11%	6%	6%	12%	7%
Neutral/Not sure	16%	21%	19%	*%	20%	15%

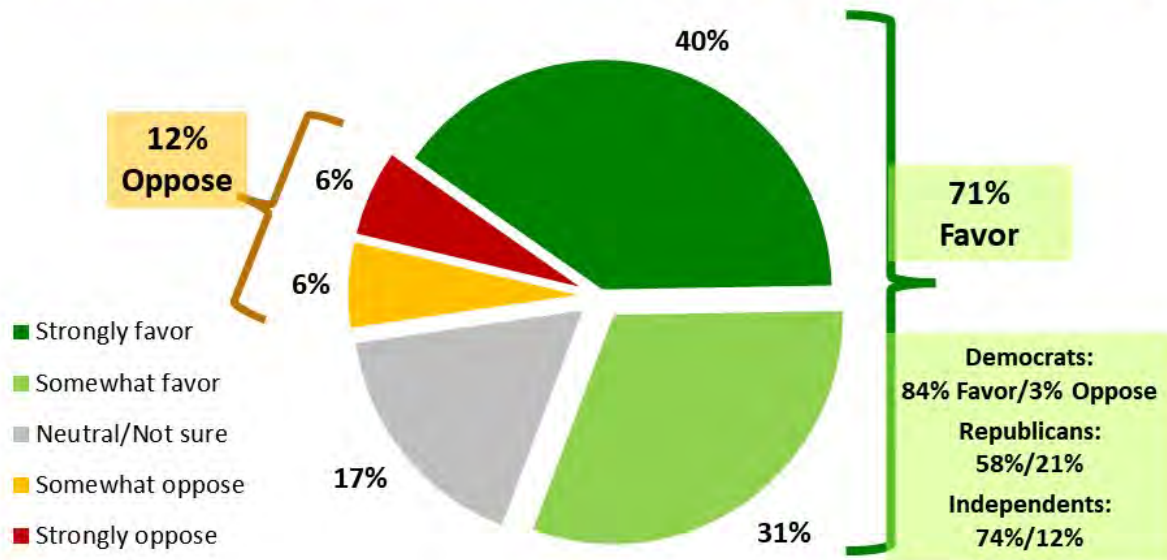
March-May 2022

Requiring Manufacturers to Help Pay for Local Recycling Programs

Virginia voters also overwhelmingly favor requiring “manufacturers to help pay for recycling pick-up and processing in local communities, reducing burden on taxpayers.” More than seven in ten voters statewide (71%) favor this idea, with only 12% opposed. About one-sixth (17%) said they are neutral.

Democrats favor this proposal by a lopsided 84% to 3%, Republicans by 58% to 21%, and Independent voters by 74% to 12%

Require Manufacturers to Pay for Recycling



...For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it.

Require manufacturers to help pay for recycling pick-up and processing in local communities, reducing burden on taxpayers.

There is little variation by region for this popular proposal. Support ranges from 69% to 73% across all regions.

Require Manufacturers to Help Pay for Recycling

	Northern Virginia	Richmond Area	Hampton Roads	Rural Tidewater	Southside	Piedmont/Mountain
Favor	72%	71%	69%	73%	71%	72%
Oppose	13%	14%	13%	18%	14%	10%
Neutral/Not sure	15%	16%	19%	10%	16%	19%

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In-depth interviewees were emphatic in their desire to see producers of consumer goods and product packaging bear some responsibility for dealing with the waste on the back end. This interviewee, a military retiree who lives in Hampton, said that it is not only their responsibility, but producers' involvement would also set an example and encourage people like him.

"It's time for (producers) to pay, because (they) need to be involved also. You're producing all these things. You need to understand the necessity of making sure things get recycled...and as a taxpayer, I think it's about time we enforce some of these things for these producers so they can start picking up the slack...so for me, when I see companies and organizations making an effort, that encourages me to make an effort also." – Michael, Hampton

Individual Action: Willingness to Undertake Helpful Actions

Moving beyond public policy and societal action, the survey homed in on whether people would be willing to take individual action, possibly altering some habits and behaviors in their daily lives. Five individual actions were tested:

- Use a refillable water bottle or drink filtered tap water instead of buying disposable plastic water bottles.
- Pick up litter when you see it.
- Use reusable bags instead of single-use plastic bags at the store.
- Stop using plastic straws.
- Stop using all single-use plastic items for a month.

Using the scale "very likely, somewhat likely, or not likely," survey respondents were asked, "In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?" The results of this question may help advocates prioritize their efforts by lifting up the individual actions that the public seems most ready to take.

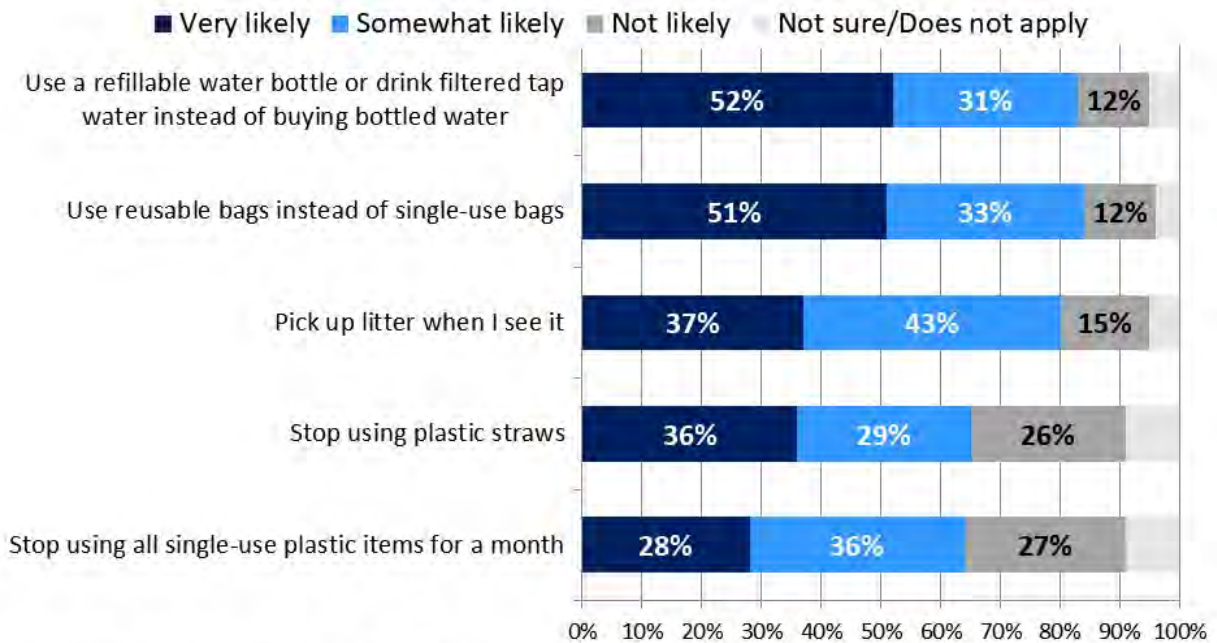
At the top of the list are two behaviors, each garnering about half the survey sample who said they would be very likely to do them: using a refillable water bottle or drinking filtered tap water, and using reusable bags.

Mid-stream on this list, with just over one-third of respondents feeling very likely, are picking up litter and not using plastic straws. Among these five actions, the public appears least ready to stop using all single-use plastic items for a month.

(continued, next page)

March-May 2022

Willingness to Act



In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean? For each one, please say if you would be very likely, somewhat likely, or not likely to do it. If a question does not apply to you, just say so.

Faced with the prospect of plastic pollution, many residents are asking themselves what they can do in their personal lives. It is this impulse that we can build upon in better engaging the public in individual action.

“Ever since I was little, we’ve been taught about recycling or taking care of our environment, taking care of the Earth. And there’s maybe some times when I felt I could have done better, self-reflecting because my actions are the ones I can control.” – Edgar, Alexandria

Behavior change practitioners can refer to the segmented survey data in Section 3 of this report for detailed guidance on which population subgroups would be most prone to adopt each of these behaviors.

March-May 2022

Trusted Sources of Information about Plastic Pollution

There are many agencies and organizations communicating with the public about the problems associated with plastic pollution. The survey took a measure of the standing of these organizations, as measured by the public’s level of trust in the information these entities provide. Survey participants rated each one using the scale, “trust it a lot, some, only a little, or not at all.”

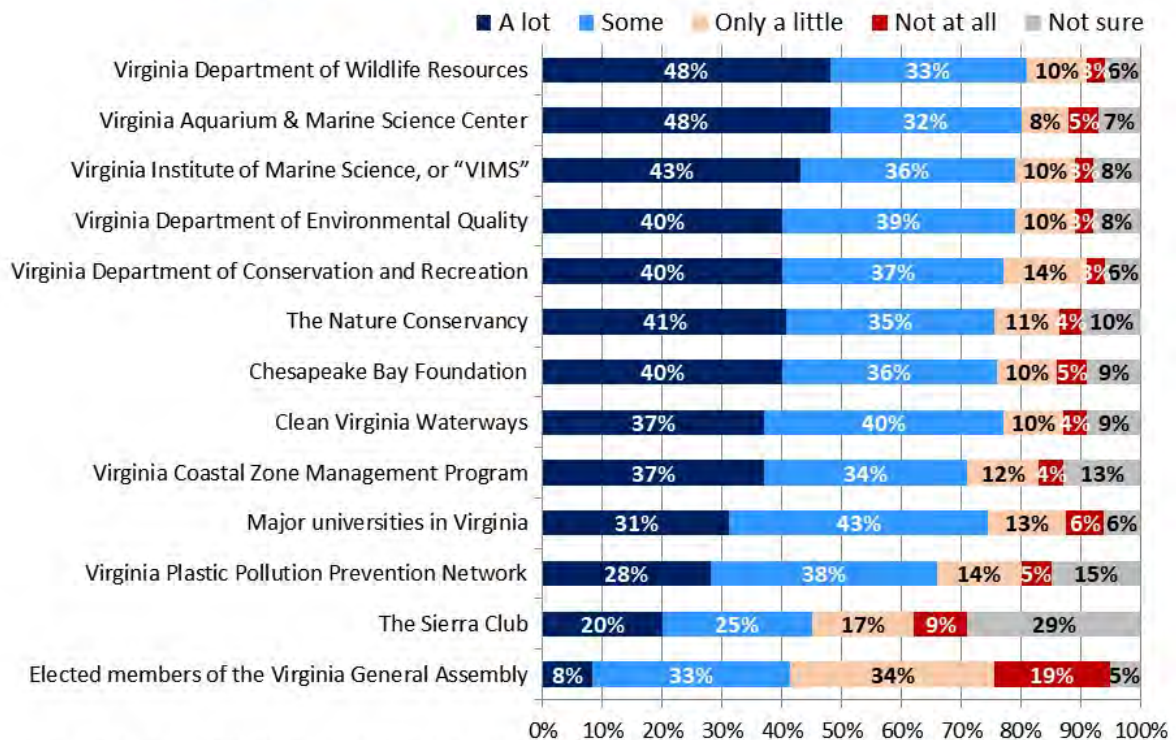
Though this chart is roughly ranked by the overall level of trust in each entity, the first major takeaway is the relatively high level of trust in the information provided by *nearly all of* these groups. Adding “a lot” and “some,” eight of these 13 groups command trust from at least three-quarters of the public.

It is also significant that four of the five top-ranked organizations on this list are public sector agencies affiliated with the Commonwealth of Virginia: DWR, VIMS, DEQ, and DCR. The one non-public entity, ranked second overall, is the Virginia Aquarium and Marine Science Center in Virginia Beach.

A regulatory agency like Virginia DEQ might be surprised to find itself held in such high regard by the public, but in fact, this survey result makes clear that the public values the quality of the information these public agencies provide. They can speak with credibility on the subject of plastic pollution.

Several non-profit organizations also are viewed as trustworthy by the public, as illustrated in the chart below. The elected members of the General Assembly rank lowest.

Trusted Sources of Information



How much would you trust information about plastic pollution that comes from each of these sources? Say if you would trust it a lot, some, only a little, or not at all. If you don’t know, just say so. (List randomized.)

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CONCLUSIONS

This public opinion research among Virginia voters identifies a deep level of concern about plastic pollution – especially that found in the ocean. The public appears emotionally invested in this problem, and motivated to support a broad suite of potential public policy actions to help address it.

Beyond public policy, this research provides guidance for fostering individual action to help address plastic pollution, and offers direction for communicating with the public about this problem.

It has been a privilege to conduct this research. We stand ready to discuss it in more detail, as the sponsors of this research seek to apply it to their work.

OpinionWorks LLC
Annapolis, Maryland

Section 2
Survey Questionnaire

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

Key Attitudes and Values

1. Do you consider each of the following to be a very serious problem, somewhat serious problem, not much of a problem, or not a problem at all? *(Randomize list.)*
 - A. Climate change
 - B. Chemicals and other toxins in the environment
 - C. The ongoing effects of the COVID-19 pandemic
 - D. Trash and litter in your community
 - E. Plastic floating in the ocean
 - F. Factories, power plants, and other pollution sources located close to where people live
 - G. Loss of natural areas and animal habitat
 - H. Severe weather events
 - I. Lack of good-paying jobs
 - J. Inflation and the cost of living
 - K. Plastics and toxins contaminating human food

	A	B	C	D	E	F	G	H
Very serious problem	42%	44%	38%	24%	55%	31%	42%	28%
Somewhat serious problem	31%	34%	36%	36%	32%	33%	37%	37%
Top 2 (Very + Somewhat)	73%	78%	74%	61%	87%	65%	79%	65%
Not much of a problem	16%	14%	17%	30%	6%	24%	13%	27%
Not a problem at all	9%	6%	7%	8%	2%	9%	5%	5%
Not sure	2%	2%	2%	1%	4%	3%	3%	2%
	I	J	K					
Very serious problem	42%	76%	47%					
Somewhat serious problem	31%	20%	28%					
Top 2 (Very + Somewhat)	73%	96%	75%					
Not much of a problem	18%	3%	16%					
Not a problem at all	5%	*%	4%					
Not sure	3%	1%	5%					

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

2. Let’s look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.
- A. Climate change
 - B. Chemicals and other toxins in the environment
 - C. The ongoing effects of the COVID-19 pandemic
 - D. Trash and litter in your community
 - E. Plastic floating in the ocean
 - F. Factories, power plants, and other pollution sources located close to where people live
 - G. Loss of natural areas and animal habitat
 - H. Severe weather events
 - I. Lack of good-paying jobs
 - J. Inflation and the cost of living
 - K. Plastics and toxins contaminating human food

	A	B	C	D	E	F	G	H
A high priority for me	34%	38%	38%	24%	40%	28%	41%	29%
A medium priority	32%	40%	35%	37%	36%	31%	34%	35%
Top 2 (Medium + High)	66%	77%	73%	61%	76%	60%	75%	64%
A low priority	21%	16%	14%	28%	15%	26%	16%	27%
Not a priority for me	12%	5%	12%	10%	7%	12%	7%	7%
Not sure	1%	2%	1%	1%	3%	2%	2%	2%
	I	J	K					
A high priority for me	43%	79%	39%					
A medium priority	29%	17%	36%					
Top 2 (Medium + High)	72%	96%	75%					
A low priority	17%	3%	16%					
Not a priority for me	9%	1%	6%					
Not sure	3%	*%	3%					

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

Tap Water

3. Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent and F is failing.
- A. How clean and healthy the water is
 - B. How it tastes
 - C. The condition of the pipes coming to your home

	A	B	C
A (4)	25%	24%	20%
B (3)	33%	32%	25%
Top 2 (A + B)	58%	57%	45%
C (2)	24%	23%	21%
D (1)	9%	11%	8%
F (0)	3%	7%	4%
Bottom 2 (D + F)	12%	17%	12%
Not sure/ Don't know	6%	3%	22%
Mean	2.73	2.59	2.62

4. Do you drink the water that comes out of your tap unfiltered, filtered, or not at all? (Allow multiple.)

Drink the tap water unfiltered..... 37%
 Drink it filtered 47%
Total Drink It (Unfiltered or Filtered) 77%
 Do not drink it..... 11%
 Drink bottled water instead 23%
Total Do Not Drink It (Do not or Bottled)..... 30%
 Not sure 1%

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

5. Do you drink bottled water often, sometimes, seldom, or never?

Often	39%
Sometimes	32%
Top 2 (Often + Sometimes)	71%
Seldom.....	23%
Never	6%
Bottom 2 (Seldom + Never).....	29%
Not sure	1%

6. Compared to a few years ago, has the amount of bottled water you drink increased, decreased, or stayed about the same?

Increased	38%
Decreased.....	19%
Stayed the same	42%
Not sure	1%

Litter

7. Sometimes people toss things on the ground when they are not near a trash can. What about you? Do you often, sometimes, seldom, or never toss something on the ground when you are done with it?

Often	3%
Sometimes	9%
Top 2 (Often + Sometimes)	12%
Seldom.....	12%
Never	76%
Bottom 2 (Seldom + Never).....	88%
Not sure	*0%

8. When you see litter on the ground that someone else has put there, do you often, sometimes, seldom, or never pick it up and throw it away?

Often	20%
Sometimes	48%
Top 2 (Often + Sometimes)	68%
Seldom.....	21%
Never	10%
Bottom 2 (Seldom + Never).....	31%
Not sure	1%

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

Public Policy Measures

Some types of plastics are very likely to end up as litter and can be harmful to wildlife, or they are hard to recycle. People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or strongly oppose it. *(Randomize this set of questions.)*

- 12. Ban single-use plastic grocery and shopping bags and require paper or reusable bags instead.
- 13. Place a 5-cent fee on single-use plastic bags to discourage their use.
- 14. Ban plastic straws.
- 15. Ban polystyrene or foam take-out containers.
- 16. Charge a 5-cent or 10-cent fee on bottled drinks that you get back when you return the bottles to a store or redemption center.
- 17. Charge a 50-cent-fee on each pack of cigarettes to help pay the cost of cleaning up littered cigarette butts.
- 18. Require manufacturers to use less plastic in product packaging.
- 19. Require manufacturers to help pay for recycling pick-up and processing in local communities, reducing burden on taxpayers.

	12	13	14	15	16	17	18	19
Strongly favor	30%	23%	23%	34%	37%	44%	45%	40%
Somewhat favor	31%	25%	24%	29%	28%	20%	31%	31%
Total Favor	61%	48%	47%	63%	65%	64%	76%	71%
Neutral (or not sure)	18%	20%	25%	22%	18%	16%	17%	17%
Somewhat oppose	12%	16%	13%	9%	8%	8%	4%	6%
Strongly oppose	9%	16%	15%	6%	9%	12%	4%	6%
Total Oppose	21%	32%	28%	15%	17%	19%	8%	12%

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

Individual Actions

In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean? For each one, please say if you would be very likely, somewhat likely, or not likely to do it. If a question does not apply to you, just say so. *(Randomize this set of questions.)*

- 20. Use a refillable water bottle or drink filtered tap water instead of buying disposable plastic water bottles.
- 21. Pick up litter when you see it.
- 22. Use reusable bags instead of single-use plastic bags at the store.
- 23. Stop using plastic straws.
- 24. Stop using all single-use plastic items for a month.

	20	21	22	23	24
Very likely	52%	37%	51%	36%	28%
Somewhat likely	31%	43%	33%	29%	36%
Top 2 (Very + Somewhat)	83%	80%	84%	65%	64%
Not likely	12%	15%	12%	26%	27%
Does not apply to me	3%	2%	2%	5%	3%
Not sure	2%	3%	2%	4%	6%

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

Organizational Trust

25. How much would you trust information about plastic pollution that comes from each of these sources? Say if you would trust it a lot, some, only a little, or not at all. If you don’t know, just say so. *(Randomize list; each respondent receives a random ½ of the list.)*

- A. Chesapeake Bay Foundation
- B. Clean Virginia Waterways
- C. Elected members of the Virginia General Assembly
- D. Major universities in Virginia
- E. The Nature Conservancy
- F. The Sierra Club
- G. Virginia Aquarium & Marine Science Center
- H. Virginia Coastal Zone Management Program
- I. Virginia Department of Environmental Quality
- J. Virginia Institute of Marine Science, or “VIMS”
- K. Virginia Department of Conservation and Recreation
- L. Virginia Department of Wildlife Resources
- M. Virginia Plastic Pollution Prevention Network

I would trust information about plastic pollution from this source:

	A	B	C	D	E	F	G
A lot	40%	37%	8%	31%	41%	20%	48%
Some	36%	40%	33%	43%	35%	25%	32%
Top 2 (A lot + Some)	76%	77%	41%	75%	76%	45%	80%
Only a little	10%	10%	34%	13%	11%	17%	8%
Not at all	5%	4%	19%	6%	4%	9%	5%
Don’t know	9%	9%	5%	6%	10%	29%	7%
	H	I	J	K	L	M	
A lot	37%	40%	43%	40%	48%	28%	
Some	34%	39%	36%	37%	33%	38%	
Top 2 (A lot + Some)	71%	79%	79%	77%	81%	66%	
Only a little	12%	10%	10%	14%	10%	14%	
Not at all	4%	3%	3%	3%	3%	5%	
Don’t know	13%	8%	8%	6%	6%	15%	

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

Qualitative Pre-Recruit

F1. In the next few weeks, we will contact about 10 people from this survey to ask a little more about these questions. Each person will receive a \$50 electronic gift card as a thank you for about 30 minutes of your time. No one will try to sell you anything. How interested would you be in participating if the discussion was held at a good time for you?

Definitely	47% (423)
Probably	17% (151)
About 50-50	11% (100)
Not interested/No response.....	25%

(If Definitely, Probably, about 50/50):

So that we can reach you, please provide your contact information.

F2. First name

F2. Last name

F3. Email address

F4. Best telephone number to reach you

F5. Is this a cellphone or a landline phone?

Cell.....	87%
Landline	13%

Classification

(All):

The last few questions are to classify the survey only. They will not be connected to you personally.

C1. Which one of these best describes your community?

Rural	20%
Small town	14%
Suburban	46%
Urban, or a city.....	20%
Not sure or prefer not to say.....	1%

C2. What is your age?

Less than 25	7%
25 to 34	18%
35 to 44	17%
45 to 54	17%
55 to 64	16%
65 or older.....	19%
Prefer not to say.....	6%

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

C3. What is the last grade in school that you completed?

Less than 12th grade.....	2%
High school diploma or GED	19%
Some college or 2-year degree	33%
Bachelor’s degree or 4-year college degree	28%
Post-graduate work or advanced degree.....	18%
Not sure or prefer not to say.....	1%

C4. Do you identify your race or ethnicity as...? Choose any that apply to you. (Allow multiple.)

African-American or Black.....	21%
Asian.....	8%
Hispanic or Latino	5%
White.....	69%
Middle Eastern or North African	1%
Native American or Alaska Native	2%
Native Hawaiian or Pacific Islander	1%
Something else	1%
Not sure or prefer not to say.....	2%

C5. What is your gender identity?

Male.....	49%
Female.....	50%
Another gender category.....	1%
Prefer not to say.....	1%

C6. With which political party are you identify?

Democratic.....	33%
Republican	32%
Independent/Unaffiliated	29%
Another party (<i>Specify.</i>).....	1%
Not sure	5%

C7. Which of these comes closest to describing your political philosophy?

Very progressive	10%
Progressive	17%
Total Progressive	27%
Moderate.....	39%
Conservative	20%
Very conservative.....	8%
Total Conservative	29%
Not sure or prefer not to say.....	6%

That completes the survey.

N=901 Virginia registered voters surveyed by phone and online, March 8-13, 2022

(Phone, continue with):

C8. For every completed survey, we will donate \$1 to the charity of your choosing from the list below. Please make your selection and your gift will be sent.

- Doctors Without Borders 34%
- Virginia Aquarium & Marine Science Center Stranding Response Program 26%
- Humane Society of the United States 38%
- (Do not read): None/Do not wish us to make a contribution..... 1%

(All):

Your responses have been recorded. Thank you!

Verbatim Responses

10. What do you think of when you hear the term “marine debris?”
6 pack holders
a waste
Abandoned plastic fishing nets
Alexandria
all of the different plastics that people dump in the ocean
all the garage put into the sea
a lot I feel bad
A LOT OF PLASTICS FLOATING IN THE OCEAN
although I know there is small and minute stuff, I think of the big stuff - cans and bottles and other trash mostly thrown overboard.
Angry
Angry
angry
Annoyed also
any trash that is floating in any water source
Anything in a body of water such as a lake, ocean, pond, river, creek, etc...
anything in the ocean that is not supposed to be there
aquatic probably naturally made I couldn't tell you
Aquatic refuse
At school
Awful
Awful
Bad
Bad
Bad
bad
Bad
bad
Bad
Bad
Bad for sea life
balloons
Boat trash
boating trash
BUNCH OF STUFF FLOATING UP ON THE BEACH
CANS BOTTLES IN THE WATER
clean
Concern
concern
Concerned
Confusion
Contaminated fishing industry
Contamination

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corpses
COULD CARE LESS
Crap in the oceans
Crap in the oceans
Cruise liners
cruise ships dumping
danger for the fish other aquatic animals
dangerous
Dead fish
Dead fish
Dead marine animals
Dead Sea life
Dead wildlife
Death
death
Debris
debris affecting all of our waters - rivers, oceans, etc
Debris from ships, watercraft
Debris from the ocean
Debris from the ocean or in the ocean
Debris in ocean
DEBRIS IN THE OCEAN
Debris in the ocean
debris in the ocean
Debris in the ocean
debris in the ocean
Debris in the water
DEBRIS IN THE WATER
Debris in water
Debris in water
debris in water
debris in waterways that harms marine life
Debris such as plastics, chemicals in the ocean that affect animals
debris that ends up in the ocean or rivers
debris that float -- plastics
Debris trash in the water
deeply worried about the ocean health
Degradation of our environment
Destruction
Detestation
Devastated
dirt animals
Dirty
Dirty
Dirty
Dirty ocean
dirty ocean
Dirty oceans
Dirty water
Dirty water
Dirty waters
Disappointed
Discarded trash that has made its way into the ocean
disgusting
Disgust
Disgusted
Disgusted
disgusted
disgusted

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Disgusting
disposal
don't know
don't know
don't know
DON'T KNOW
Don't know
don't know
Don't know.
Don't understand
Ducks
dust
Ecological destruction
Ehh
everything
everything dumped in bodies of water
Filth
Fish
fish dyeing
Fish nets
fish suffering
fishing gear
floating garbage
Floating garbage islands of political failure.
floating island in the middle of the pacific
Floating islands of trash.
Floating junk
Floating plastic
floating plastic
floating plastic garbage
Floating plastic island
floating trash
Floating trash
floating trash
floating trash in ocean
flotsam
Foreign inorganic matter in the oceans and seas of the world is a foreign objects in the water
From a movie
Garbage being dumped at sea
garbage dumped at sea by large cruise ships
garbage dumped in oceans
Garbage dumped into the ocean
Garbage floating in the ocean
Garbage floating in the ocean.
garbage in the ocean
Garbage in the ocean
garbage in the ocean
Garbage in the ocean
garbage in the ocean
Garbage in the ocean
Garbage in the ocean
garbage in the ocean/lake/river
Garbage in the oceans
Garbage in the water
Garbage in the water
Garbage in the water
Garbage in the water
garbage in the water

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garbage in the water
Garbage in the water, especially plastic
Garbage in water
garbage in waterways
Garbage island in the Pacific.
garbage that has been thrown in the ocean
Garbage that is in the ocean
Gave me a reverence for Marine conservation
Giant islands of plastic trash.
Glossing over the actual event
Good
Good thing
Goodish
Great garbage patch
Great Pacific Garbage Patch
gross
Hatred
Heart broken
Horrible
Horrible
Horrible for animals
Horrified
horrified
huge amount of dust thrown in the ocean
Huh?
Human created waste that has been put there or accidentally released in a sea or ocean.
Human garbage that is in our oceans and lakes
Human trash degrading or oceanic ecosystem
Humans dumping trash on the beaches, rivers, lakes, etc.
Human's trash going into water, where it DOES NOT BELONG!
I am concerned
I don't
I don't know
I don't hear that term
i don't know
I DON'T KNOW
I don't know
I don't know
I don't know
I don't know
I don't know
I don't know
I DON'T KNOW NEVER HEARD
I don't know to be honest
I don't know what it means
I don't like it, they need to start taking care of these waters and take care of these waters.
I DON'T THINK OF ANYTHING
I don't think of nothing
I hated it
I have no idea
I like chickens
i see it a lot in the coastal town I live in
I think about garbage that's dumped in to a body of water.
I think about the ocean and litter
i think fisherman losing boards or nets parts of their engines in there water something that should not be in the water of the manmade origin
I think it is trash in the ocean.
I think it would be a disgrace
i think its a movie

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I think it's horrible, I had no idea how much pollution is in the water
I THINK OF A GIANT PLASTIC THING FLOATING AS THE SIZE OF TEXAS
i think of animal life
I think of garbage that is tossed in or makes it way to the waterways and causes issues with marine life
I think of litter in the ocean.
i think of poor choices of garbage disposal
I think of the affects it has on sea-life
I think of the creatures that live in the sea and how they have no choice but to live with whatever people toss into their environment.
I think there is no excuse
I think we humans are trashing this whole Earth...land, air, water. It's disgusting! It's not marine debris, it's human debris!
I went snorkeling and saw a plastic bag around a sea-turtles neck
ldk
ldk
I'm not sure
I'm not sure
I'm not sure
IM NOT SURE I DONT HAVE A WORD
In harbor and ocean
India China
Injuring or killing of marine life by Littering
irresponsible
Irresponsible boaters
It gets me mad
it is a horrible problem
it means litter in the ocean
It sounds like it's too nice of a word for the crappy situation it is
Items in the ocean left by ships.
items in the water
Items in the water that people on ships don't want
its not the right term kits people trash
It's terribly sad. It's too much. I think if the animals it affects and kills.
it's the same thing as litter
It's trash
jetsam
Junk
junk in ocean
junk in the water
JUNK IN THE WATER
Killing sea creatures
Knowingly polluting the liquid environment.
lazy
Laziness
Lettering
Litter
litter
Litter
Litter
litter affecting the health of the ocean
Litter and trash in the ocean.
Litter from China
Litter in the ocean
Litter in the ocean
litter in the ocean
Litter in the ocean
Litter in the ocean
litter in the ocean
litter in the ocean

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litter in the ocean
litter in the ocean and sea
Litter that gets in the water causing harm to marine wildlife
litter that has gotten into waterways
litter that is in bodies of water, such as the ocean
Littered waterways
Littering the Ocean.
Little in the ocean
livid
Lost or discarded items from marine operations
Lots of trash and people who do n
Love
mad
Makes me mad and sad
man made debris in the ocean
marine animals
Marine debris is solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or the Great Lakes.
Marine debris, also known as marine litter, is human-created waste that has deliberately or accidentally been released in a sea or ocean
MARINE POLLUTION MORE ACCURATE DESCRIPTION ITS DISGUSTING
Marine trash
Marines cleaning up the water/oceans.
Media Hype
micro plastics
Military Marine debris from old ships, etc.
Mostly plastics in the waters
n/a
N/A
n/a
n/a
Nasty
Nasty water
Natural debris
Nauseous
netting and plastic in the ocean
Never
NEVER GAVE THAT MUCH THOUGHT
never heard of
Never heard of it
NEVER HEARD THAT BEFORE
NEVER HEARD THAT TERM
NEVER HEARD THE TERM
never thought about it
No
No
No comment
no idea what that is?
No sure
Non issue
non-biodegradable trash left in marine environments & habitats
non-biodegradable refuse that makes it into the ocean, like used face masks
none
None
Non-marine items floating on or beneath the surface of a body of water
Nope
Not good at all
Not interested
not sure

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not sure
Not sure
Not sure
Not sure
Not sure
Not sure
not sure
Not sure
Not sure
Not sure
not sure
not sure
not sure
NOT SURE
Not sure.
Nothing
nothing
Nothing
Nothing
Nothing
nothing
nothing
Nothing
nothing
nothing
nothing
nothing
nothing
nothing really
nothing
Ocean
Ocean
Ocean
Ocean
Ocean animals are affected
Ocean debris
Ocean debris
OCEAN DEBRIS
Ocean habitats dying
Ocean litter
Ocean litter
Ocean litter
Ocean litter
ocean plastic
ocean plastics
Ocean pollution
Ocean pollution
ocean pollution
ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean pollution
Ocean species struggling for survival
Ocean trash
Ocean trash

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Ocean trash
ocean trash
ocean trash
Ocean trash
Ocean trash
Ocean trash
Ocean trash
Ocean trash
Ocean trash
Ocean trash
Ocean trash
Ocean trash
Ocean trashed
Ocean/Chesapeake Bay pollution
Oceans
oceans
Oceans
Oil spills
Okay
Our future home is being harmed
our ocean and trash
Our oceans
overconsumption
Pacific garbage patch
Particles and debris in the natural ocean waters
Party
paste in the water way
people don't care
people throwing stuff in the lake or beach
people who don't throw their trash away
Plastic
Plastic
Plastic
Plastic
plastic
Plastic
Plastic
Plastic
Plastic
plastic
Plastic
Plastic
Plastic
plastic
plastic
Plastic
Plastic
plastic
plastic
Plastic
Plastic
PLASTIC
Plastic
plastic
Plastic
Plastic

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PLASTIC
plastic
PLASTIC
plastic
plastic
plastic and garbage floating in the ocean
plastic and general trash in the water
Plastic and other foreign trash in the ocean
Plastic and other litter in any body of water.
Plastic and other man-made debris in our water or along the shoreline
Plastic and other trash in bodies of water that harm the animals in the water and causes harm to the water.
plastic bag pollution in the sea
PLASTIC BAG TANGLED UP IN PLANT LIFE IN THE WATER
Plastic bags
plastic bags
plastic bags
Plastic bags and fishing lines
plastic bags and things floating in the water choking turtles
plastic bottles
Plastic bottles
Plastic bottles and other waste products in bodies of water.
plastic bottles and waste in the ocean
plastic bottles, and bags
Plastic bottles, webbing, cans, paper, netting
Plastic float at various depths
PLASTIC FLOATING IN THE OCEAN
Plastic floating in water bodies
PLASTIC IN OCEANS
Plastic in our oceans
Plastic in the ocean
PLASTIC IN THE OCEAN
Plastic in the Oceans
plastic in waterways
Plastic islands
plastic or wood floating in the water or washed up on the shore
plastic other trash floating around in the ocean and interfering with the ocean and ecosystem
plastic refuse in a body of water.
Plastic so can holders
plastic soda 6 packs with plastic
plastic that is hurting sea life.
Plastic trash
Plastic trash in the oceans
Plastic waste
plastic waste
plastic waste
plastic waste
plastic waste
plastic waste in the ocean
Plastic water bottles
Plastic & trash located in sea that could effect marine life in the water.
Plastic, tires, rubbish that is dumped or arrives 8n natural bodies of water
plastics
plastics
Plastics
Plastics
plastics
Plastics
PLASTICS
plastics and garbage
Plastics and other objects that are either thrown in or wound up in a water source (river/lake/sea/ocean)

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plastics and trash in the water
plastics floating in the ocean
Plastics found in waters.
plastics in ocean
plastics in the ocean
plastics in the ocean
Plastics in the ocean
plastics in the ocean
plastics junked
plastics rings from packs of soda, plastic bottles
Plastics, toxins, everything factories push out
plastic and litter in ocean and waters
poison
Polluted ocean
Polluted oceans
Polluted water
polluted waters
polluted waters
Pollution
Pollution
Pollution
Pollution
POLLUTION
Pollution in oceans
pollution in our waterways
pollution of plastics in ocean
Pollution of the waterways
polluted oceans and beaches
polluted water
Poor
Poor Animal
Poor animals
poor animals
Poor fish
poor sea animals
Poor sea life
Poor water animals
Poor water life
problematic
Products that cannot be broken down , and are harmful to the ocean.
Result of human littering
sad
sad
Sad
Sad
Sad
Sad
Sad
sad
Sad
Sad
Sad
Sad
Sad
sad
Sad
sad
Sad
Sad
Sad

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sad
sad
sad
sad
Sad
Sad
Sad for marine animals
sad for sea life
sad stuff
Sad the end of the world
Saddened
Scared
Scared
Sea
Sea animals
sea animals
Sea pollution
sea side
Sea sludge
Sea trash
Sea trash
Sea trash
sea trash from boats
Sea turtles
Sea turtles
Sea turtles dying from eating plastic
Sea turtles with their necks stuck in those plastic soda can holder ring thingies
Sealife
Seaweed
Seldom think about it.
Serious problem
Ship
Ship wreck
SHIPS ARE DUMPING THEIR DEBRIS
small marine trash
soda plastic holder
Soldier
SOMETHING CAME FROM LAND AND ENDED IN THE OCEAN
Something found in the ocean
Something from a marine vessel
Straws and plastic floating in the ocean
Street litter
Stronger term should be used
stuff floating and being put in the water to pollute it
Stuff floating in the ocean
Stuff floating in the water
stuff in the ocean that does not belong there
stuff that has been thrown in the ocean
stuff thrown in the ocean
Stupid people
STUPID PEOPLE THROWING STUFF IN THE WATER AND THINK ITS GOING TO DISAPPEAR
Suffocating marine life and destroyed reefs
Trash in water
Tell me a just heard laziness too busy to take two extra steps to throw something in a trashcan
terrible
Terrible
terrible
Terrible
terrible

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terrible
TERRIBLE
That is all the trash that is tossed into the oceans
that's bad too, that's very bad
that's it's a big issue.
The animals it's hurting
the dumping by ships into the oceans
The earth is dying day by day
The Ocean
The Pacific Trash Heap
The plastic that keeps 6 pack sodas together
the poor animals
The problem should be better regulated
The trashing of our oceans.
Things floating in the ocean
things in the water that shouldn't be there
Things that are floating in natural water that don't belong there
Things that harm water creatures
things that should not be in the water
Things thrown in the ocean
Things tossed off ships
Things trash in the water
Things washed up.at ocean
THINK OF TRASH WASHED UP ON BEACH
Tons of trash collecting in the ocean
trach on the beach
Trash
Trash
Trash
Trash
Trash
Trash
Trash
Trash
Trash
trash
Trash
Trash
trash
Trash
Trash
trash
Trash
Trash
trash
Trash
Trash
TRASH FLOATING AROUND IN THE WATER
trash as well as pieces of boats and fishing equipment.
Trash at beaches
Trash at the bottom of the ocean
Trash discarded in lakes and ocean and rivers
trash especially plastics discarded or made their way to water
Trash floating in the ocean
Trash floating in the ocean water
trash floating int he water
trash floating on the water
trash floating/at the bottom of the ocean
trash found in the water

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Trash in the ocean
Trash in the ocean
trash in the ocean
Trash in the ocean
trash in the ocean
Trash in the ocean
trash in the ocean
trash in the ocean
Trash in the ocean
Trash in the ocean
Trash in the ocean
Trash in the ocean
Trash in the ocean
Trash in the ocean
Trash in the ocean
trash in the ocean
TRASH IN THE OCEAN
Trash in the ocean and other waterways.
Trash in the ocean and waterways
Trash in the ocean or bodies of water
trash in the ocean or rivers
Trash in the ocean or water
trash in the ocean, rivers, lakes
Trash in the ocean.
Trash in the oceans
Trash in the oceans
Trash in the oceans
Trash in the oceans
Trash in the oceans
trash in the oceans and on beaches
Trash in the oceans and waterways
Trash in the oceans or water bodies
Trash in the sea
Trash in the sea
trash in the seas
Trash in the water
Trash in the water
Trash in the water
trash in the water
Trash in the water
Trash in the water
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Trash in the water
Trash in the water
trash in the water
trash in the water
Trash in the water
Trash in the water
Trash in the water
trash in the water
trash in the water and on the beach
Trash in the water ways
trash in the water ways
trash in the water/ocean

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Trash in the waterways
Trash in the waterways
Trash in the waterways
trash in the waterways
trash in water
Trash in water
Trash in water
Trash in water
Trash in water
Trash in water
trash in water
Trash in water
trash in water
trash in water or waterways like lakes ponds
Trash in water sources
trash in water ways
Trash in waterways
trash in waterways and oceans
Trash located in the ocean.
Trash on the ground
Trash on the ocean
Trash or toxins in large bodies of water
Trash polluting our waters
Trash put in the water
Trash that contaminates water.
Trash that has found its way into the ocean and marine life
Trash that is thrown into oceans and rivers.
Trash that we allowed to be floating around in the ocean
TRASH THE BLOWS IN THE WATER
Trash thrown in the ocean
Trash thrown in the ocean.
Trash thrown in the water
Trash, Plastic in the ocean killing wildlife
trash/garbage in the water
Trashy ocean
Turtle
Turtles and straws
Turtles dying
Turtles in plastic
Uncertain
Underwater debris
Unnecessary
unrecycled material
unsure
unsure
Unsure
unsure
Upset
upset
Upset
Upsetting
Upsetting. Would Like to clean it myself
very annoyed
War
war debris left over
Waste
waste discarded into our natural bodies of water
Waste from the surface that ends up in the ocean
Waste in the ocean

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Waste that is dumped rather than recycled
waste thrown into water
Water
Water
Water
Water
Water
water
Water born contamination
Water pollutants
Water pollution
Water pollution
Water pollution
water pollution
Water pollution I don't like
Water trash
Water trash
Water trash
Water trash
water with trash in it
We are ruining the ocean
Weird
Whale carcass
Wildlife dying
Worried
Yes
Yuck

Section 3

Segmented Survey Results

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
1A.Climate change (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	477	156	146	137	235	220	93	36	23	315	18	41	74	79	72	75	95	86	157	132	82	48	81	129	169	93	43	136
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	473	156	146	137	228	223	72	20	21	346	17	34	52	83	71	93	102	83	159	128	84	41	78	119	169	99	45	144
Very serious problem	199	98	24	61	88	100	41	14	14	126	7	18	41	32	33	26	35	30	66	60	34	34	49	83	73	20	3	22
	42%	62%	16%	44%	38%	45%	44%	40%	61%	40%	40%	46%	55%	40%	46%	35%	37%	36%	42%	45%	41%	71%	60%	64%	43%	21%	6%	16%
		CD		C					j			nPQ										A1B1 YZ	A1B1 YZ	A1B1 YZ	A1B1 Z	A1B1	A1	
Somewhat serious problem	148	42	52	42	68	73	31	12	3	97	6	16	28	26	16	23	24	35	41	37	29	4	24	28	63	34	8	41
	31%	27%	36%	31%	29%	33%	34%	34%	13%	31%	33%	39%	38%	32%	22%	31%	26%	41%	26%	28%	35%	9%	29%	21%	37%	36%	18%	30%
			b				I		I			o	o					St				VX	V	VX	A1 VX	A1B1 VX	VA1	
TOP 2 (Very + Somewhat)	347	139	76	103	156	172	72	27	17	223	13	34	68	57	49	49	60	66	108	96	63	38	72	110	136	53	10	64
	73%	89%	52%	75%	67%	78%	77%	74%	74%	71%	72%	84%	92%	72%	68%	66%	63%	76%	69%	73%	76%	80%	89%	86%	81%	57%	24%	47%
		CD		C	E							OPQ	NOPQ									A1B1 Z	A1B1 YZ	A1B1 Z	A1B1 Z	A1B1	A1	
Not much of a problem	76	11	42	17	39	34	9	3	3	55	2	1	4	16	14	16	19	12	27	22	11	5	6	10	22	26	13	39
	16%	7%	29%	12%	16%	15%	10%	9%	13%	18%	10%	3%	6%	20%	19%	21%	20%	14%	17%	17%	14%	10%	7%	8%	13%	28%	30%	28%
			BD						g					LM	LM	LM	LM								VWXY	VWXY	VWXY	
Not a problem at all	44	5	24	14	32	12	7	4	3	31	1	4	2	5	7	8	14	4	19	11	7	2	3	5	9	11	19	30
	9%	3%	17%	10%	14%	5%	8%	11%	13%	10%	5%	9%	2%	7%	9%	11%	15%	5%	12%	8%	9%	3%	4%	4%	5%	12%	44%	22%
			B	B	F										m	M	Mn		r						VWXY	YZB1 VWX	WXVZ V	
Not sure	10	1	4	4	7	3	5	2	-	5	2	1	-	1	2	2	2	4	3	2	1	3	-	3	2	3	1	4
	2%	1%	3%	3%	3%	1%	5%	7%		2%	13%	3%		1%	3%	2%	2%	5%	2%	1%	1%	7%		3%	1%	3%	2%	3%
											j																	

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
1A.Climate change (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	477	109	67	120	19	23	138	91	211	68	90	371	149	189	153	131	125	74	21
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	473	106	68	114	19	23	143	87	212	65	92	364	144	183	154	133	123	76	20
Very serious problem	199	60	28	46	8	7	50	51	92	22	29	154	66	88	54	58	74	13	-
	42%	55%	41%	38%	42%	32%	36%	56%	44%	32%	32%	42%	45%	46%	35%	44%	59%	18%	
		c	D	F	G			i	j	k				o			R		
Somewhat serious problem	148	33	24	33	6	6	46	21	70	22	28	108	55	59	54	34	36	37	6
	31%	30%	35%	27%	34%	28%	33%	23%	33%	32%	31%	29%	37%	31%	35%	26%	28%	50%	31%
									h				l				Q		
TOP 2 (Very + Somewhat)	347	93	51	79	14	14	96	73	162	43	57	262	122	146	107	92	110	50	6
	73%	85%	76%	65%	76%	61%	70%	80%	77%	64%	64%	71%	82%	77%	70%	70%	88%	68%	31%
		D	F	G				J	k			L					R	S	
Not much of a problem	76	8	7	25	4	8	25	9	26	15	22	64	18	29	26	21	13	16	6
	16%	7%	10%	21%	19%	36%	18%	10%	13%	22%	24%	17%	12%	15%	17%	16%	10%	21%	30%
				B	C	BC	B			h	HI	m					q	q	
Not a problem at all	44	9	7	11	-	1	16	8	19	6	10	36	10	10	16	16	2	6	8
	9%	8%	11%	9%		4%	12%	9%	9%	9%	11%	10%	7%	5%	10%	12%	2%	9%	38%
															n		Q	Q	QR
Not sure	10	-	2	6	1	-	1	1	4	3	1	9	-	3	4	2	1	2	-
	2%		3%	5%	5%		1%	1%	2%	5%	1%	2%		2%	2%	1%	1%	3%	
				G															

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
1B. Chemicals and other toxins in the environment (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Very Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)	
Total	492	158	157	139	236	233	99	34	21	334	28	38	79	79	82	78	89	102	159	126	84	58	82	140	169	99	43	142	
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	488	160	153	138	236	229	77	18	19	363	24	32	56	81	81	98	97	97	160	124	87	47	82	129	173	102	44	146	
Very serious problem	216	97	42	60	95	112	54	14	9	134	8	16	38	38	36	34	36	37	73	55	42	26	53	78	81	31	6	37	
	44%	62%	26%	43%	40%	48%	55%	42%	41%	40%	30%	41%	49%	48%	44%	44%	40%	36%	46%	44%	50%	44%	64%	56%	48%	31%	15%	26%	
		CD		C			JK														r	A1B1	A1B1	A1B1	A1B1	A1B1		A1	
Somewhat serious problem	167	41	63	47	83	73	26	10	5	123	14	9	30	26	29	30	28	31	53	50	25	17	17	34	54	46	17	63	
	34%	26%	40%	34%	35%	31%	26%	28%	22%	37%	48%	25%	38%	33%	36%	38%	32%	30%	33%	39%	30%	30%	20%	24%	32%	47%	38%	44%	
			B							gi	Ghi													w	vWXY	wx	vWXY		
TOP 2 (Very + Somewhat)	383	138	104	107	178	185	80	24	13	257	22	25	68	64	65	63	64	68	127	105	67	43	69	112	134	77	23	100	
	78%	87%	66%	77%	76%	79%	81%	70%	62%	77%	78%	66%	87%	81%	80%	82%	72%	67%	80%	83%	81%	75%	84%	80%	80%	78%	53%	70%	
		CD		c									LQ			q		R	R	R	R	A1	A1B1	A1b1	A1b1	A1B1		A1	
Not much of a problem	68	13	40	13	39	27	6	4	6	53	3	4	4	8	13	12	20	17	23	15	12	7	5	11	23	16	16	31	
	14%	8%	25%	9%	17%	12%	6%	11%	26%	16%	10%	12%	5%	10%	16%	15%	22%	16%	14%	12%	15%	11%	6%	8%	14%	16%	36%	22%	
			BD						G	G					M	M	MN								w	wx	YZB1	wXYZ	
Not a problem at all	29	7	9	12	14	14	13	6	1	13	3	7	5	6	1	1	2	11	6	5	4	6	8	14	7	4	3	7	
	6%	5%	6%	9%	6%	6%	13%	19%	6%	4%	9%	19%	6%	7%	1%	1%	2%	10%	4%	4%	5%	11%	10%	10%	4%	4%	7%	5%	
							J	j				mOPQ		OPq			St						yz	YzB1					
Not sure	12	-	4	7	4	8	-	-	1	10	1	1	1	2	1	4	7	3	3	1	-	2	-	2	4	3	2	4	
	2%		2%	5%	2%	3%			5%	3%	3%	3%	2%	1%	2%	2%	4%	7%	2%	1%		3%		1%	2%	3%	4%	3%	
																	T												

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
1B. Chemicals and other toxins in the environment (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	492	117	75	109	16	27	148	99	208	73	93	371	160	197	157	135	121	78	24
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	488	113	77	103	17	27	151	98	212	65	94	369	154	190	157	138	125	75	23
Very serious problem	216	53	33	51	8	8	62	49	92	29	39	151	85	101	59	55	87	24	3
	44%	46%	43%	47%	52%	31%	42%	50%	44%	40%	42%	41%	53%	52%	38%	40%	72%	30%	12%
												L	Op			RS	S		
Somewhat serious problem	167	41	27	34	4	10	51	31	70	27	29	134	43	60	56	50	26	37	6
	34%	35%	36%	31%	23%	37%	34%	32%	34%	37%	31%	36%	27%	31%	35%	37%	22%	47%	23%
												M					QS		
TOP 2 (Very + Somewhat)	383	94	60	85	12	19	113	81	162	57	68	284	128	162	115	104	114	61	9
	78%	80%	80%	78%	76%	68%	76%	81%	78%	78%	73%	77%	80%	82%	73%	77%	94%	77%	35%
														o			RS	S	
Not much of a problem	68	12	10	12	3	5	25	12	29	7	19	56	18	21	24	23	4	14	13
	14%	11%	14%	11%	17%	18%	17%	12%	14%	10%	20%	15%	11%	10%	16%	17%	4%	18%	54%
											j						Q	QR	
Not a problem at all	29	9	1	9	1	3	7	4	12	8	6	22	9	9	13	5	3	3	3
	6%	7%	1%	8%	7%	11%	4%	4%	6%	11%	6%	6%	6%	5%	8%	4%	3%	4%	11%
		C		C															
Not sure	12	2	4	2	-	1	4	3	5	1	1	8	5	5	5	3	-	1	-
	2%	2%	5%	2%		3%	2%	3%	2%	1%	1%	2%	3%	3%	3%	2%		1%	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
1C.The ongoing effects of the COVID-19 pandemic (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	519 100	182 100	155 100	139 100	232 100	265 100	104 100	42 100	27 100	348 100	19 100	34 100	92 100	99 100	88 100	78 100	90 100	98 100	167 100	136 100	102 100	51 100	86 100	136 100	202 100	96 100	47 100	143 100
Unweighted Total	511	183	152	136	225	265	81	23	24	375	17	30	64	100	87	98	97	95	171	127	103	45	84	129	199	98	48	146
Very serious problem	197 38%	92 51% CD	38 24%	47 34% c	75 32%	110 42% E	56 54% ij	21 50%	10 36%	111 32%	8 42%	12 36%	33 36%	43 43% q	33 37%	29 37%	27 31%	38 39%	64 38%	53 39%	36 36%	35 68% A1B1 WXYZ	38 44% A1B1 Z	73 53% A1B1 WYZ	79 39% A1B1 Z	22 23% a1b1	6 12%	28 20% a1
Somewhat serious problem	187 36%	64 35%	58 37%	53 38%	84 36%	96 36%	32 31%	13 30%	7 26%	133 38%	9 47%	12 36%	41 45%	34 34%	32 37%	26 33%	32 36%	35 36%	62 37%	52 38%	32 31%	11 21%	34 39% VX	44 33% V	77 38% V	33 34% v	19 41% V	52 36% V
TOP 2 (Very + Somewhat)	385 74%	157 86% CD	95 61%	100 72% c	160 69%	206 78% E	88 84% IJ	34 80%	17 62%	245 70%	17 89% IJ	25 72%	74 81% Q	77 78% q	65 74%	55 70%	59 66%	73 75%	126 75%	106 78%	68 67% u	45 90% A1B1 YZ	72 84% A1B1 Z	117 86% A1B1 YZ	156 77% A1B1 Z	55 58%	25 53%	80 56%
Not much of a problem	87 17%	18 10%	41 26% Bd	24 17% b	45 19%	40 15%	9 8%	7 17%	4 16%	69 20% G	2 11%	6 17%	12 13%	12 12%	16 19%	16 20%	20 22% n	14 14%	26 15%	21 15%	25 25% rst	1 2%	13 15% VX	14 10% V	34 17% V	25 27% vwxy	12 25% VX	37 26% vwxy
Not a problem at all	35 7%	4 2%	17 11% B	11 8% B	23 10% F	12 4%	6 6%	2 4%	3 13%	27 8%	-	3 8%	4 4%	9 9%	4 4%	5 7%	8 9%	5 5%	12 7%	8 6%	9 9%	2 4%	-	2 1%	8 4%	12 13% vxy	10 20% vxy	22 15% vxy
Not sure	12 2%	2 1%	3 2%	5 3%	4 2%	7 3%	1 1%	-	2 9%	8 2%	-	1 3%	1 1%	1 1%	2 3%	3 4%	2 2%	6 6%	3 2%	3 2%	-	2 4%	1 1%	3 2%	4 2%	3 3%	1 2%	4 3%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 1C.The ongoing effects of the COVID-19 pandemic (Do you consider each of the following to be not a problem at all, not
 much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Sel dm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	519	123	73	107	23	28	165	95	231	61	116	393	168	199	167	149	137	82	18
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	511	117	72	104	23	28	167	94	229	55	117	387	161	192	169	147	140	80	17
Very serious problem	197	49	23	42	9	10	63	48	86	23	36	139	86	90	56	49	59	28	6
	38%	40%	32%	39%	41%	37%	38%	50%	37%	38%	31%	35%	51%	45%	33%	33%	43%	35%	32%
								IK					L	OP					
Somewhat serious problem	187	43	32	39	5	11	58	34	81	20	44	143	56	71	58	57	52	28	6
	36%	35%	44%	36%	20%	40%	35%	35%	35%	33%	38%	36%	33%	35%	35%	38%	38%	35%	31%
			E	e															
TOP 2 (Very + Somewhat)	385	92	55	81	14	22	121	82	167	43	80	281	141	161	114	106	112	57	11
	74%	74%	76%	76%	60%	77%	73%	86%	72%	71%	69%	71%	84%	81%	68%	71%	81%	69%	63%
								IJK					L	Op			r		
Not much of a problem	87	24	11	19	3	5	26	8	40	11	25	74	18	22	36	30	16	18	2
	17%	19%	15%	18%	11%	17%	16%	8%	18%	18%	22%	19%	11%	11%	21%	20%	11%	22%	11%
									H		H	M			N	N		q	
Not a problem at all	35	7	5	6	4	2	12	5	18	4	7	27	7	12	15	8	9	5	2
	7%	5%	6%	6%	16%	6%	7%	5%	8%	7%	6%	7%	4%	6%	9%	6%	6%	6%	10%
Not sure	12	1	2	1	3	-	5	1	5	2	3	11	1	5	3	5	1	2	3
	2%	1%	2%	1%	13%		3%	1%	2%	3%	3%	3%	1%	2%	2%	3%	1%	3%	15%
												M							

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

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Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
1D.Trash and litter in your community (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	526 100	165 100	154 100	166 100	252 100	252 100	103 100	46 100	28 100	344 100	22 100	36 100	95 100	87 100	87 100	82 100	92 100	114 100	151 100	159 100	86 100	59 100	75 100	133 100	203 100	98 100	43 100	142 100
Unweighted Total	515	165	151	160	245	248	79	24	24	373	20	32	64	89	87	101	100	107	158	146	89	50	72	122	198	103	45	148
Very serious problem	128 24%	37 22%	33 22%	43 26%	60 24%	58 23%	32 31%	11 24%	8 30%	74 21%	12 56%	7 20%	30 31%	21 24%	17 20%	19 23%	18 20%	39 34%	41 27%	33 20%	8 10%	18 31%	13 18%	32 24%	43 21%	27 27%	6 13%	32 23%
Somewhat serious problem	191 36%	68 41%	48 31%	60 36%	85 34%	102 40%	36 36%	17 37%	11 41%	128 37%	5 24%	20 55%	40 42%	36 41%	33 38%	29 35%	21 23%	48 42%	50 33%	60 38%	30 35%	19 32%	34 45%	52 39%	84 42%	26 27%	12 28%	38 27%
TOP 2 (Very + Somewhat)	319 61%	105 64%	81 52%	103 62%	145 58%	160 63%	68 67%	28 62%	20 71%	202 59%	18 80%	27 75%	70 73%	56 65%	50 58%	48 59%	40 43%	87 76%	91 60%	93 58%	38 44%	37 63%	47 63%	84 63%	127 63%	53 54%	18 41%	71 50%
Not much of a problem	160 30%	50 30%	59 38%	45 27%	80 32%	73 29%	29 29%	15 32%	7 24%	109 32%	3 14%	7 18%	17 18%	25 29%	33 38%	23 28%	38 42%	22 19%	50 33%	47 30%	37 43%	17 29%	21 28%	38 29%	59 29%	36 37%	18 42%	54 38%
Not a problem at all	44 8%	10 6%	13 8%	17 10%	26 10%	18 7%	5 5%	3 6%	1 5%	31 9%	1 6%	2 6%	8 8%	4 5%	4 4%	10 12%	14 15%	4 3%	10 7%	18 11%	11 13%	5 8%	6 8%	11 8%	15 8%	9 9%	6 15%	15 11%
Not sure	3 1%	-	2 1%	1 *%	1 *%	2 1%	-	-	-	3 1%	-	-	-	1 1%	-	1 1%	-	1 1%	1 *%	1 1%	-	-	-	-	1 *%	1 1%	1 2%	2 1%

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 1D.Trash and litter in your community (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Sel dm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	526 100	139 100	75 100	116 100	25 100	31 100	141 100	102 100	238 100	69 100	100 100	400 100	165 100	213 100	158 100	156 100	145 100	85 100	21 100
Unweighted Total	515	131	72	111	25	31	145	102	234	61	102	391	159	205	158	152	141	85	20
Very serious problem	128 24%	29 21%	20 27% E	30 25% E	3 11%	10 32% E	37 26% E	24 24%	49 21%	22 31%	25 25%	92 23%	49 29%	64 30% Op	32 20%	32 21%	53 36% RS	10 12%	3 16%
Somewhat serious problem	191 36%	45 32%	27 36%	43 37%	9 35%	13 41%	56 40%	40 39%	89 37%	22 32%	38 38%	144 36%	63 38%	79 37%	62 39%	51 33%	62 42%	35 42%	7 34%
TOP 2 (Very + Somewhat)	319 61%	73 53%	47 62%	73 63%	11 45%	22 73% BE	93 66% Be	64 63%	138 58%	44 63%	63 63%	236 59%	111 67% l	142 67% P	94 60%	83 53%	114 79% RS	45 54%	11 51%
Not much of a problem	160 30%	56 40% CdFG	18 25%	33 29%	9 36%	6 20%	37 26%	29 29%	81 34%	18 26%	26 26%	125 31%	46 28%	55 26%	51 32%	54 35% n	25 17%	31 36% Q	8 41% q
Not a problem at all	44 8%	10 7%	9 13%	9 8%	5 19%	1 5%	10 7%	9 8%	18 7%	7 10%	9 9%	37 9% m	8 5%	15 7%	12 8%	18 11%	6 4%	8 9%	2 9%
Not sure	3 1%	-	-	1 1%	-	1 2%	1 1%	-	1 *%	-	2 2%	3 1%	-	1 *%	1 1%	1 *%	-	1 1%	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
1E.Plastic floating in the ocean (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	491 100	157 100	158 100	138 100	230 100	244 100	97 100	37 100	24 100	327 100	18 100	28 100	80 100	89 100	88 100	75 100	89 100	93 100	167 100	128 100	88 100	42 100	72 100	115 100	196 100	104 100	34 100	138 100
Unweighted Total	486	161	156	132	222	246	75	20	19	358	17	23	55	92	86	94	97	89	165	126	91	36	72	108	191	108	38	146
Very serious problem	272 55%	110 70% CD	59 37%	79 57% C	121 53%	142 58%	58 60%	20 55%	14 58%	180 55%	10 54%	19 68%	49 61%	45 51%	45 51%	47 62%	46 51%	53 57%	102 61% t	63 49%	46 52%	29 70% A1B1 YZ	50 69% A1B1 YZ	80 70% A1B1 YZ	107 55% A1B1	47 45% A1B1	7 21%	54 39% A1
Somewhat serious problem	155 32%	34 22%	67 42% Bd	43 31% b	68 30%	80 33%	23 24%	11 29%	7 28%	105 32%	3 17%	7 25%	24 30%	29 33%	26 30%	22 30%	31 35%	23 25%	43 26%	51 40% RS	32 37% s	7 17%	19 27%	26 23%	56 29% v	44 43% VWXYZ	19 56% VWXYZ	64 46% VWXYZ
TOP 2 (Very + Somewhat)	427 87%	144 92% C	126 79%	123 89% C	189 82%	223 91% E	81 84%	31 84%	21 85%	284 87%	13 70%	26 92%	73 91% o	74 84%	71 81%	69 91% O	77 87%	76 82%	145 87%	114 90%	79 89%	37 87%	70 96% A1B1 YZ	106 93% A1b1 Y	163 83%	91 88%	26 77%	118 85%
Not much of a problem	31 6%	7 5%	14 9%	9 6%	18 8%	12 5%	6 7%	-	3 11%	21 6%	2 12%	-	5 6%	7 7%	7 8%	4 5%	5 6%	6 6%	11 6%	8 6%	5 6%	2 4%	1 1%	3 2%	17 9% WX	5 5% Xzb1	5 16% vW	11 8% WXZ
Not a problem at all	11 2%	1 1%	6 4% B	3 2%	9 4% F	2 1%	1 1%	4 10%	1 4%	7 2%	1 5%	-	-	4 5% p	2 3%	1 1%	4 4%	2 2%	3 2%	2 1%	2 2%	1 2%	2 3%	3 2%	5 2%	2 2%	2 5%	4 3%
Not sure	22 4%	4 3%	13 8% Bd	4 3%	13 6%	8 3%	7 8%	2 6%	-	15 4%	2 13%	2 8%	3 3%	4 4%	7 8% p	2 2%	3 3%	9 9% tu	8 5%	3 3%	2 2%	3 8%	-	3 3%	11 6%	5 5%	1 2%	6 4%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 1E. Plastic floating in the ocean (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT		ABO			
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	=FLOATING	TRASH=	Very	Some	Not	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)			
Total	491 100	129 100	66 100	107 100	20 100	30 100	140 100	89 100	224 100	63 100	99 100	388 100	144 100	186 100	166 100	136 100	272 100	155 100	42 100			
Unweighted Total	486	126	67	101	20	31	141	88	222	59	101	383	135	178	167	138	272	153	41			
Very serious problem	272 55%	70 55%	39 60%	54 50%	9 43%	18 58%	83 59%	56 63%	122 55%	34 54%	53 53%	213 55%	87 60%	113 60%	85 51%	74 54%	272 100%	-	-			
Somewhat serious problem	155 32%	47 36%	19 29%	35 33%	11 53%	6 21%	37 27%	21 24%	77 35%	16 25%	36 36%	122 32%	44 31%	53 28%	57 35%	45 33%	-	155 100%	-			
TOP 2 (Very + Somewhat)	427 87%	117 91%	58 88%	89 83%	19 96%	24 79%	120 86%	78 87%	199 89%	50 79%	88 89%	335 86%	131 91%	165 89%	143 86%	119 88%	272 100%	155 100%	-			
Not much of a problem	31 6%	5 4%	7 11%	5 5%	1 4%	5 17%	8 6%	6 6%	13 6%	8 12%	4 4%	24 6%	9 6%	11 6%	12 7%	8 6%	-	-	31 73%			
Not a problem at all	11 2%	4 3%	-	2 2%	-	1 4%	4 3%	1 1%	5 2%	1 2%	4 4%	9 2%	2 1%	1 *	5 3%	4 3%	-	-	11 27%			
Not sure	22 4%	3 2%	1 1%	11 10%	-	-	7 5%	5 5%	6 3%	4 7%	3 3%	20 5%	2 1%	9 5%	7 4%	5 3%	-	-	-			

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
IF.Factories, power plants, and other pollution sources located close to where people live (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	489 100	144 100	154 100	162 100	240 100	230 100	90 100	39 100	25 100	337 100	14 100	30 100	102 100	80 100	72 100	80 100	87 100	93 100	148 100	152 100	77 100	45 100	71 100	116 100	196 100	98 100	42 100	140 100
Unweighted Total	479	147	149	155	232	228	68	20	21	364	13	26	69	83	71	100	96	90	153	144	76	42	71	113	188	100	43	143
Very serious problem	152 31%	58 41% C	30 20%	51 32% C	63 26%	84 37% E	39 44% HJ	9 22%	9 36%	98 29%	4 28%	9 31%	47 47% NPQ	19 24%	25 35%	21 26%	21 24%	35 38% U	45 31%	50 33%	18 23%	16 36% A1b1	30 42% A1B1	46 40% A1B1	60 31% A1b1	28 29% A1B1	1 3%	30 21% A1
Somewhat serious problem	164 33%	53 37%	46 30%	56 35%	72 30%	85 37%	32 35%	16 41%	6 26%	109 32%	4 28%	8 27%	28 28%	31 38%	19 26%	32 41% MO	30 35%	27 29%	51 35%	49 32%	31 41%	19 43%	24 34%	44 38%	67 34%	29 30%	14 33%	43 31%
TOP 2 (Very + Somewhat)	316 65%	112 78% CD	76 49%	107 66% C	135 56%	169 74% E	71 79% J	25 63%	15 62%	206 61%	8 56%	17 58%	76 75% Q	50 62%	44 61%	53 66%	51 58%	62 67%	97 65%	99 65%	49 64%	35 78% A1B1 YZ	54 76% A1B1 YZ	89 77% A1B1 YZ	128 65% A1B1	58 59% A1B1	15 36%	73 52% A1
Not much of a problem	115 24%	20 14%	57 37% BD	35 22%	67 28% F	43 19%	10 11%	10 27%	4 15%	90 27% G	4 29%	7 23%	19 19%	19 23%	20 28%	24 31% m	21 24%	20 22%	34 23%	39 25%	19 24%	6 12%	11 15%	16 14%	49 25% vwX	28 28% VwX	16 39% VwXy	44 32% VwX
Not a problem at all	45 9%	9 6%	17 11%	18 11%	33 14% F	12 5%	6 7%	4 10%	5 19%	33 10%	2 16%	5 16% p	4 4%	9 11% MP	8 11% P	2 2%	15 17% MP	8 8%	15 10%	13 9%	7 9%	2 5%	6 9%	8 7%	15 7%	9 10%	9 22% Yzb1 VwX	19 13% vYZ
Not sure	12 3%	3 2%	4 3%	2 1%	4 2%	6 3%	2 3%	-	1 4%	7 2%	-	1 3%	3 3%	3 4%	-	1 1%	1 1%	4 4%	3 2%	2 1%	2 3%	2 4%	-	2 1%	5 2%	3 3%	1 2%	4 3%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
IF:Factories, power plants, and other pollution sources located close to where people live (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	489	122	75	102	18	22	150	90	223	56	106	377	146	192	139	154	125	63	23
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	479	115	71	99	18	23	153	87	220	51	108	370	138	183	140	154	124	61	24
Very serious problem	152	26	30	34	5	6	51	28	64	16	41	105	60	75	38	40	63	11	3
	31%	22%	40% B	33% b	29%	26%	34% B	32%	29%	28%	39% i	28%	41% L	39% OP	27%	26%	51% RS	18%	13%
Somewhat serious problem	164	55	26	29	6	5	42	32	78	19	30	126	52	58	49	56	41	32	2
	33%	45% DFG	35%	29%	33%	24%	28%	35%	35%	34%	28%	33%	36%	30%	35%	36%	33% S	52% QS	7%
TOP 2 (Very + Somewhat)	316	81	56	63	12	11	93	60	142	35	70	231	112	132	87	96	104	44	5
	65%	67%	75% dFG	62%	62%	50%	62%	67%	64%	62%	67%	61%	77% L	69%	62%	62%	84% RS	69% S	20%
Not much of a problem	115	25	12	23	6	10	39	19	56	14	24	97	24	38	36	41	14	13	11
	24%	20%	17%	22%	30%	46% BCDg	26%	21%	25%	24%	22%	26% M	17%	20%	26%	27%	11%	20%	45% QR
Not a problem at all	45	13	5	9	1	1	16	5	22	8	11	39	7	17	11	16	5	4	8
	9%	11%	7%	9%	7%	4%	10%	6%	10%	14%	10%	10% M	5%	9%	8%	10%	4%	7%	35% QR
Not sure	12	2	1	7	-	-	3	5	3	-	1	9	3	5	6	2	1	2	-
	3%	2%	1%	7% bcg			2%	6% ik	1%		1%	2%	2%	2%	4%	1%	1%	3%	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
1G.Loss of natural areas and animal habitat (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	482 100	143 100	152 100	154 100	233 100	233 100	84 100	40 100	26 100	329 100	15 100	31 100	87 100	80 100	78 100	77 100	90 100	95 100	158 100	125 100	89 100	32 100	87 100	120 100	179 100	95 100	43 100	138 100
Unweighted Total	475	148	150	146	228	232	63	22	21	358	15	27	61	82	76	97	98	91	160	121	91	29	83	112	177	100	44	144
Very serious problem	203 42%	71 50%	40 26%	74 48%	84 36%	109 47%	40 48%	10 25%	14 53%	136 41%	8 52%	12 38%	43 50%	32 40%	26 34%	30 38%	45 50%	35 37%	74 47%	49 39%	38 43%	19 57%	45 52%	64 53%	68 38%	37 39%	7 17%	44 32%
			C	C	E	H			h	h	h	o	o	o	o	o	o	o	o	o	o	A1B1 yz	A1B1 y	A1B1 YZ	A1 VX	A1B1	A1	A1
Somewhat serious problem	177 37%	45 31%	72 47%	52 34%	88 38%	84 36%	25 30%	23 57%	6 25%	121 37%	4 28%	11 35%	36 41%	30 38%	33 42%	31 40%	22 25%	37 39%	59 37%	49 39%	28 32%	7 23%	31 35%	38 32%	76 43%	31 33%	18 43%	50 36%
			BD					GIjk				Q	q	q	Q	Q									VX	v		
TOP 2 (Very + Somewhat)	380 79%	116 81%	112 73%	126 82%	173 74%	193 83%	65 78%	33 83%	20 78%	257 78%	12 80%	23 73%	79 91%	63 78%	59 76%	60 78%	67 75%	73 77%	133 84%	98 78%	67 75%	26 81%	76 87%	102 85%	144 81%	68 72%	26 60%	94 68%
					E			l				NOPl	l					u				a1	A1B1 Z	A1B1 Z	A1B1 Z			
Not much of a problem	62 13%	15 11%	25 17%	17 11%	39 17%	21 9%	10 12%	2 4%	3 13%	47 14%	3 20%	5 16%	4 5%	10 13%	13 17%	9 11%	14 16%	10 11%	17 11%	18 15%	15 16%	2 5%	6 7%	8 7%	24 13%	17 18%	10 23%	27 19%
					F				H				M	M	M	M	M	M	M	M	M				VX	VWX	VWX	VWX
Not a problem at all	26 5%	9 6%	10 6%	7 5%	16 7%	10 4%	6 7%	5 13%	1 5%	14 4%	-	3 8%	3 3%	5 6%	3 4%	5 6%	6 6%	5 5%	6 4%	5 4%	6 7%	4 12%	5 6%	9 7%	5 3%	7 7%	4 9%	10 8%
																						y	y	y			y	
Not sure	14 3%	3 2%	5 4%	4 3%	5 2%	10 4%	2 3%	-	1 4%	11 3%	-	1 3%	1 1%	3 3%	2 3%	3 4%	3 3%	7 7%	2 1%	4 3%	2 2%	1 2%	-	1 1%	6 3%	3 4%	4 8%	7 5%
																	S	S	S	S	S					x	x	

Comparison Groups: BCD/EF/GHIJK/LMNOPl/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 1G.Loss of natural areas and animal habitat (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	482	109	67	111	15	30	149	88	213	67	101	376	143	177	157	145	138	92	19
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	475	106	65	107	15	31	151	87	214	61	101	370	136	173	157	144	141	90	19
Very serious problem	203	46	36	55	6	9	51	49	89	20	37	152	69	83	62	59	91	24	1
	42%	43%	53% FG	49% FG	42%	30%	34%	55% IJK	42%	30%	37%	40%	48% I	47%	39%	40%	66% RS	26% S	5%
Somewhat serious problem	177	42	23	30	6	11	64	21	82	28	42	140	55	62	62	53	39	48	5
	37%	39% d	34%	27%	39%	38%	43% D	24%	38% H	42% H	42% H	37%	38%	35%	39%	36%	28%	53% QS	25%
TOP 2 (Very + Somewhat)	380	88	59	85	12	20	116	70	171	48	80	292	123	145	123	112	130	72	6
	79%	81%	87% dFg	76%	81%	68%	78%	80%	80%	72%	79%	77%	86% L	82%	79%	77%	94% RS	79% S	31%
Not much of a problem	62	10	7	17	2	3	22	14	23	11	12	57	11	19	22	21	6	10	8
	13%	10%	10%	15%	12%	12%	15%	16%	11%	17%	12%	15% M	7%	11%	14%	15%	4%	10%	40% QR
Not a problem at all	26	6	1	6	1	4	7	2	13	4	7	19	5	8	8	8	1	6	4
	5%	5%	2%	6%	7%	14% C	5%	2%	6% h	6%	7%	5%	3%	4%	5%	6%	1%	6% q	23% Qr
Not sure	14	4	1	3	-	2	4	2	6	3	2	9	4	6	4	4	1	4	1
	3%	4%	1%	3%		6%	3%	2%	3%	4%	2%	2%	3%	3%	3%	3%	1%	4%	6%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 1H. Severe weather events (Do you consider each of the following to be not a problem at all, not much of a problem, a
 somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	482 100	152 100	150 100	141 100	245 100	217 100	106 100	33 100	22 100	323 100	24 100	28 100	81 100	65 100	86 100	81 100	94 100	97 100	165 100	118 100	85 100	48 100	68 100	116 100	191 100	101 100	33 100	134 100
Unweighted Total	476	156	148	136	238	219	81	17	18	350	21	23	55	71	85	100	100	92	166	114	88	41	67	108	190	106	35	141
Very serious problem	135 28%	48 32% C	19 12%	52 37% C	53 22%	74 34% E	42 39% Jk	10 29%	9 40%	77 24%	5 21%	6 23%	31 38% O	18 27%	18 21%	22 27%	26 27%	23 24%	49 30%	32 27%	25 29%	26 53% A1B1 WXYZ	20 29% A1B1 Z	45 39% A1B1 WZ	58 30% A1B1 Z	16 16%	3 9%	19 14%
Somewhat serious problem	180 37%	67 44% C	51 34%	49 35%	98 40%	77 35%	43 41% I	18 55% I	3 12%	120 37% I	11 47% I	14 52%	29 36%	25 39%	37 43%	27 33%	34 36%	36 37%	66 40%	44 37%	30 36%	12 24%	34 50% A1B1 VXZ	46 39% VA1	78 41% A1b1	36 36% A1B1	5 16%	42 31% A1
TOP 2 (Very + Somewhat)	315 65%	115 76% C	70 47%	102 72% C	151 62%	151 69% e	85 80% IJ	28 83% IJ	12 52%	197 61%	16 68%	21 75%	60 74% p	43 66%	55 64%	49 60%	60 63%	59 61%	115 70%	75 64%	55 64%	37 77% A1B1 Z	54 79% A1B1 Z	91 78% A1B1 Z	135 71% A1B1 Z	52 52% A1B1	8 25%	60 45% A1
Not much of a problem	132 27%	29 19%	64 42% BD	31 22%	75 30%	54 25%	14 13%	6 17%	9 42% G	100 31% Gh	7 29%	6 20%	20 25%	19 28%	26 30%	22 27%	25 26%	31 32%	37 23%	35 29%	25 29%	9 19%	12 18%	22 19%	47 25%	36 36% VWXYZ	17 53% Yzb1 VWX	54 40% WXYZ V
Not a problem at all	26 5%	5 3%	13 8% b	8 6%	16 7%	8 4%	5 5%	-	1 6%	21 6%	1 4%	1 5%	-	3 4%	5 6%	8 10%	7 7%	2 2%	11 7% r	7 6%	5 5%	1 2%	2 3%	3 2%	7 3% vwxy	9 9% VwXy	5 16% VwXy	15 11% VWXYZ
Not sure	9 2%	3 2%	4 3%	1 1%	3 1%	4 2%	2 2%	-	-	6 2%	-	-	1 2%	1 1%	-	3 3%	3 3%	5 5% st	1 1% *	1 1%	1 1%	1 2%	-	1 1%	2 1%	3 3%	2 6%	5 4%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 1H. Severe weather events (Do you consider each of the following to be not a problem at all, not much of a problem, a
 somewhat serious problem, or a very serious problem?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	482	119	67	112	20	35	129	97	212	61	97	377	138	181	158	141	130	80	18
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	476	116	65	108	21	36	130	97	213	51	101	373	133	173	163	138	129	79	19
Very serious problem	135	32	15	32	2	13	41	30	54	15	33	106	35	54	38	43	63	10	2
	28%	27%	22%	29%	9%	37%	32%	31%	25%	25%	33%	28%	26%	30%	24%	30%	48%	13%	11%
		E		E		E	E										RS		
Somewhat serious problem	180	39	33	41	8	14	45	37	81	24	34	139	57	60	64	56	40	31	6
	37%	33%	50%	36%	41%	40%	35%	38%	38%	39%	35%	37%	42%	33%	41%	40%	31%	38%	34%
			Bdg																
TOP 2 (Very + Somewhat)	315	71	48	73	10	27	86	67	135	39	66	245	92	114	102	99	103	41	8
	65%	60%	72%	65%	50%	77%	67%	69%	63%	64%	68%	65%	67%	63%	65%	70%	79%	51%	44%
			e			bE											RS		
Not much of a problem	132	41	15	26	7	6	36	23	64	15	26	104	40	56	40	36	19	32	7
	27%	35%	22%	24%	36%	18%	28%	24%	30%	24%	27%	27%	29%	31%	25%	26%	15%	40%	36%
		cdF																Q	q
Not a problem at all	26	6	4	9	-	1	5	6	12	5	2	21	4	8	12	5	6	6	3
	5%	5%	6%	8%		2%	4%	6%	6%	9%	3%	5%	3%	4%	7%	4%	5%	7%	19%
Not sure	9	-	-	4	3	1	2	1	1	2	2	8	2	4	4	1	2	2	-
	2%			3%	14%	2%	1%	1%	1%	3%	2%	2%	1%	2%	3%	1%	1%	2%	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
1I.Lack of good-paying jobs (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	519 100	172 100	164 100	145 100	244 100	253 100	106 100	41 100	31 100	354 100	17 100	43 100	85 100	86 100	101 100	77 100	84 100	121 100	157 100	135 100	90 100	45 100	84 100	129 100	212 100	95 100	41 100	137 100
Unweighted Total	510	173	159	141	238	252	82	23	26	382	15	36	59	91	99	94	93	115	156	131	94	39	80	119	208	100	44	144
Very serious problem	217 42%	82 48% C	59 36%	56 38% C	82 34%	121 48% E	55 52% J	18 44%	17 54% j	131 37%	7 39%	24 55% pq	44 52% pq	41 48% Q	47 46% Q	28 36% Q	16 19%	60 50% U	79 50% U	54 40% U	16 18%	25 57% A1B1 Z	34 41% a1b1	60 46%	90 42%	34 35%	13 31%	46 34%
Somewhat serious problem	161 31%	54 31%	45 27%	56 38% C	79 32%	80 32%	33 31%	18 43%	8 26%	112 32%	7 40%	12 27%	24 28%	30 35%	31 31%	25 33%	25 30%	37 31%	43 27%	42 31%	38 42% S	14 31%	35 42% ZB1	49 38% ZB1	71 33% zb1	22 23%	12 29%	34 25%
TOP 2 (Very + Somewhat)	378 73%	135 79% C	104 63%	111 77% C	161 66%	201 80% E	88 83% J	36 87% J	25 81%	243 69%	13 78%	35 82% Q	68 80% Q	71 82% PQ	78 77% Q	53 70% Q	41 49%	98 81% U	121 77% U	96 71% u	54 59%	40 88% A1B1 yZ	69 83% A1B1 Z	109 84% A1B1 yZ	160 76% a1B1 Z	56 59%	25 60%	80 59%
Not much of a problem	96 18%	27 15%	40 24% b	25 17%	63 26% F	29 11%	11 11%	2 4%	2 7%	76 21% GHI	2 15%	- 13%	11 13%	19 19%	18 23% n	28 33% MNO	11 9%	24 16%	30 23% R	26 29% RS	2 5%	10 12%	13 10%	40 19% VX	29 30% VWXY	8 20% V	37 27% VWxy	
Not a problem at all	28 5%	7 4%	14 8% D	4 3%	15 6%	13 5%	3 2%	2 4%	4 13% g	23 6% g	- 12% n	5 5%	4 2%	2 3%	3 4%	3 12% NOP	6 5%	8 5%	6 4%	6 7%	3 7%	4 5%	8 6%	6 3%	7 7%	5 11% y	12 9% Y	
Not sure	17 3%	2 1%	7 4%	4 3%	5 2%	10 4%	4 4%	2 4%	- 4%	12 4%	1 7%	2 6%	2 2%	3 3%	- 3%	2 5%	5 5%	6 5%	3 2%	2 1%	4 4%	-	-	-	6 3%	4 4%	4 9%	7 5%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 1I.Lack of good-paying jobs (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	519 100	127 100	77 100	109 100	25 100	26 100	155 100	94 100	229 100	72 100	107 100	408 100	150 100	201 100	177 100	138 100	147 100	82 100	25 100
Unweighted Total	510	123	75	101	25	27	159	93	227	65	109	399	145	193	176	138	147	79	24
Very serious problem	217 42%	40 31%	31 41%	41 38%	14 55%	14 53%	77 50%	44 47%	87 38%	39 54%	39 37%	159 39%	85 57%	105 52%	69 39%	42 31%	78 53%	22 27%	6 24%
Somewhat serious problem	161 31%	44 35%	30 40%	36 33%	3 13%	6 23%	41 26%	35 37%	70 30%	20 27%	36 33%	130 32%	42 28%	49 24%	60 34%	52 38%	43 29%	26 31%	9 35%
TOP 2 (Very + Somewhat)	378 73%	84 66%	62 80%	77 71%	17 68%	20 76%	118 76%	79 84%	157 69%	59 81%	75 70%	288 71%	127 85%	154 77%	129 73%	94 68%	121 83%	48 59%	15 59%
Not much of a problem	96 18%	31 25%	13 17%	16 14%	4 15%	3 11%	29 19%	14 15%	50 22%	8 11%	20 18%	85 21%	13 9%	25 13%	36 20%	35 25%	20 14%	23 28%	6 23%
Not a problem at all	28 5%	9 7%	2 2%	7 7%	3 14%	1 4%	6 4%	1 1%	13 6%	5 7%	9 8%	20 5%	6 4%	16 8%	7 4%	6 4%	3 2%	8 10%	2 7%
Not sure	17 3%	3 2%	-	9 8%	1 3%	2 10%	3 2%	1 1%	8 3%	1 1%	4 3%	15 4%	4 3%	6 3%	6 3%	3 2%	2 1%	3 3%	3 11%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 1J.Inflation and the cost of living (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	500 100	169 100	146 100	149 100	232 100	244 100	109 100	36 100	27 100	324 100	26 100	36 100	92 100	84 100	80 100	77 100	83 100	103 100	162 100	133 100	83 100	53 100	88 100	141 100	186 100	91 100	39 100	130 100
Unweighted Total	491	167	145	142	226	241	82	19	22	355	22	32	62	88	75	98	91	95	164	127	86	44	87	131	181	96	41	137
Very serious problem	380 76%	118 70%	118 81%	114 77%	169 73%	190 78%	76 69%	27 74%	20 74%	254 78%	18 68%	21 58%	83 91%	63 75%	63 78%	57 74%	61 74%	77 75%	133 82%	99 75%	54 65%	43 83%	58 66%	101 72%	131 71%	81 89%	31 80%	112 86%
			B									NOPQ L		1	1			U				WX		W		WXY	w	WXY
Somewhat serious problem	101 20%	45 27%	25 17%	28 19%	55 24%	46 19%	29 26%	10 26%	5 18%	61 19%	5 21%	10 27%	7 8%	17 21%	15 19%	18 24%	20 24%	22 21%	24 15%	28 21%	26 31%	7 14%	25 29%	33 23%	48 26%	8 9%	7 17%	15 12%
		C										M		M	m	M	M				S		xZB1 v	vZB1	vZB1			
TOP 2 (Very + Somewhat)	481 96%	163 97%	143 98%	142 95%	223 96%	236 97%	104 96%	36 100%	25 92%	315 97%	23 89%	31 85%	91 98%	80 96%	78 97%	76 98%	82 99%	99 96%	158 97%	128 96%	80 96%	51 97%	83 94%	134 95%	179 97%	89 98%	38 97%	128 98%
								gjk				1		1	1	L												
Not much of a problem	13 3%	6 3%	2 1%	4 3%	5 2%	7 3%	3 3%	-	1 4%	6 2%	2 7%	2 5%	1 2%	3 3%	2 2%	2 1%	1 2%	2 2%	3 2%	4 3%	3 4%	1 2%	4 4%	5 3%	4 2%	2 2%	1 3%	3 2%
Not a problem at all	2 *%	-	1 1%	1 1%	2 1%	-	-	-	-	2 1%	-	1 3%	-	-	-	-	-	-	2 1%	-	-	1 2%	1 1%	2 1%	-	-	-	-
Not sure	4 1%	-	-	2 1%	2 1%	1 *%	1 1%	-	1 4%	1 *%	1 4%	2 7%	-	1 1%	-	-	-	2 2%	-	1 1%	-	-	-	-	2 1%	-	-	-

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
1J.Inflation and the cost of living (Do you consider each of the following to be not a problem at all, not much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	500 100	128 100	68 100	128 100	17 100	29 100	131 100	105 100	229 100	62 100	82 100	390 100	142 100	197 100	163 100	137 100	151 100	70 100	19 100
Unweighted Total	491	121	69	121	18	30	132	103	228	56	83	383	136	191	162	136	150	69	18
Very serious problem	380 76%	85 67%	54 80% b	99 78% b	13 77%	25 85% B	103 79% B	81 77%	167 73%	54 86% I	63 77%	293 75%	108 76%	156 79%	119 73%	103 75%	119 79%	52 75%	15 80%
Somewhat serious problem	101 20%	34 27% dF	13 19% F	22 17% F	4 23%	2 5%	27 20% F	19 18%	55 24% J	8 12%	16 20%	84 22%	30 21%	35 18%	39 24%	27 20%	29 19%	13 19%	4 20%
TOP 2 (Very + Somewhat)	481 96%	120 94%	67 99% b	122 95%	17 100% BdF	26 90%	130 99% Bd	101 96%	222 97%	61 98%	79 96%	376 97%	138 97%	191 97%	159 97%	130 95%	148 98%	66 94%	19 100% R
Not much of a problem	13 3%	6 5%	-	4 3%	-	3 10%	-	2 2%	7 3%	-	3 4%	11 3%	2 1%	3 1%	4 2%	6 4%	2 1%	4 6%	-
Not a problem at all	2 *%	-	1 1%	-	-	-	1 1%	1 1%	-	1 2%	-	1 *%	1 1%	1 1%	-	1 1%	-	-	-
Not sure	4 1%	2 1%	-	2 2%	-	-	-	2 2%	-	-	-	2 *%	1 1%	2 1%	1 1%	-	1 1%	-	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 1K.Plastics and toxins contaminating human food (Do you consider each of the following to be not a problem at all, not
 much of a problem, a somewhat serious problem, or a very serious problem?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	517 100	158 100	170 100	153 100	242 100	256 100	106 100	42 100	24 100	347 100	19 100	43 100	101 100	78 100	76 100	77 100	100 100	102 100	171 100	136 100	95 100	56 100	90 100	146 100	182 100	106 100	44 100	149 100
Unweighted Total	503	160	166	143	233	251	80	22	19	373	17	35	69	83	76	95	109	96	171	128	95	48	82	130	179	110	47	157
Very serious problem	245 47%	90 57%	62 36%	76 49%	95 39%	141 55%	57 54%	22 53%	12 48%	160 46%	8 43%	23 55%	57 56%	39 50%	34 45%	37 48%	40 40%	52 51%	88 52%	58 43%	42 44%	25 45%	42 46%	67 46%	94 52%	49 47%	10 23%	59 40%
			C	C		E							Q									A1	A1	A1	A1B1	A1B1		A1
Somewhat serious problem	142 28%	39 24%	48 28%	44 29%	72 30%	64 25%	24 22%	8 20%	10 39%	99 28%	5 24%	8 19%	31 30%	20 25%	19 25%	20 26%	31 31%	25 25%	45 26%	38 28%	28 29%	14 25%	27 30%	41 28%	48 26%	30 28%	12 28%	42 28%
TOP 2 (Very + Somewhat)	387 75%	129 81%	110 65%	120 78%	167 69%	206 80%	81 76%	31 73%	21 88%	259 75%	13 68%	31 73%	87 86%	59 76%	53 69%	57 74%	71 71%	78 76%	133 78%	96 71%	70 74%	39 70%	68 76%	108 74%	142 78%	79 75%	22 51%	101 68%
			C	C		E						nOpQ										a1	A1	A1	A1B1	A1B1		A1
Not much of a problem	85 16%	20 13%	40 23%	21 14%	51 21%	29 12%	12 11%	7 17%	2 8%	58 17%	2 10%	7 18%	9 8%	10 12%	15 20%	16 21%	20 20%	11 11%	28 16%	26 19%	19 20%	12 22%	12 14%	25 17%	27 15%	18 17%	14 31%	31 21%
			BD		F									M	M	M										Yzb1	z	Wx
Not a problem at all	22 4%	6 4%	11 6%	6 4%	13 6%	9 3%	7 7%	4 11%	-	15 4%	3 18%	1 3%	2 2%	7 9%	3 4%	2 2%	5 5%	4 4%	6 4%	6 4%	5 5%	4 7%	5 6%	9 6%	5 3%	5 5%	3 6%	8 5%
											j			mP														
Not sure	23 5%	4 3%	9 5%	6 4%	10 4%	12 5%	6 6%	-	1 4%	15 4%	1 4%	3 6%	3 3%	3 3%	5 6%	2 3%	5 5%	9 9%	4 2%	7 5%	2 2%	1 2%	4 4%	5 3%	8 4%	4 3%	5 11%	9 6%
																		SU									Vx	

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 1K.Plastics and toxins contaminating human food (Do you consider each of the following to be not a problem at all, not
 much of a problem, a somewhat serious problem, or a very serious problem?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	517 100	119 100	73 100	112 100	21 100	24 100	168 100	100 100	232 100	71 100	99 100	399 100	161 100	188 100	167 100	159 100	143 100	71 100	22 100
Unweighted Total	503	110	73	107	21	25	167	96	231	60	102	388	150	180	167	154	141	71	21
Very serious problem	245 47%	52 43%	30 42%	63 56% bce	8 36%	13 52%	80 48%	56 56% i	105 45%	33 46%	46 46%	183 46%	82 51%	105 56% OP	75 45%	65 41%	103 72% RS	14 20%	3 12%
Somewhat serious problem	142 28%	34 29%	30 41% DFg	22 20%	6 30%	4 18%	46 27%	22 22%	70 30%	20 28%	24 24%	112 28%	41 26%	50 27%	46 28%	46 29%	30 21%	27 38% Q	6 29%
TOP 2 (Very + Somewhat)	387 75%	85 72%	60 82%	85 76%	14 67%	17 70%	126 75%	78 78%	175 76%	53 74%	69 70%	295 74%	124 77%	155 82% OP	120 72%	111 70%	133 93% RS	41 57%	9 41%
Not much of a problem	85 16%	23 20%	9 13%	18 16%	6 28%	5 22%	23 14%	17 17%	37 16%	11 16%	19 19%	67 17%	25 16%	17 9%	29 18% N	38 24% N	4 3%	25 35% Q	6 29% Q
Not a problem at all	22 4%	5 4%	1 1%	5 5% c	1 5%	2 8%	8 5%	3 3%	11 5%	4 6%	3 3%	20 5% m	3 2%	5 3%	10 6%	6 3%	2 1%	2 3%	6 29% QR
Not sure	23 5%	5 5%	3 4%	4 4%	-	-	11 6%	2 2%	9 4%	3 4%	7 7% h	17 4%	8 5%	11 6%	7 4%	4 3%	4 3%	4 5%	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
2A.Climate change (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	477 100	156 100	146 100	137 100	235 100	220 100	93 100	36 100	23 100	315 100	18 100	41 100	74 100	79 100	72 100	75 100	95 100	86 100	157 100	132 100	82 100	48 100	81 100	129 100	169 100	93 100	43 100	136 100
Unweighted Total	473	156	146	137	228	223	72	20	21	346	17	34	52	83	71	93	102	83	159	128	84	41	78	119	169	99	45	144
A high priority for me	160 34%	70 45%	23 16%	58 42%	76 32%	77 35%	25 27%	14 38%	12 53%	112 36%	5 26%	14 35%	30 40%	25 31%	25 35%	20 27%	36 38%	27 31%	47 30%	49 37%	30 37%	26 54%	38 47%	64 50%	60 36%	17 19%	4 9%	21 16%
			C	C					Gk													A1B1 YZ	A1B1 Z	A1B1 YZ	A1B1 Z			
A medium priority	153 32%	59 37%	43 29%	40 30%	76 33%	73 33%	36 38%	13 36%	3 13%	98 31%	10 55%	12 30%	30 41%	29 36%	23 33%	26 35%	24 25%	30 35%	54 34%	39 29%	28 34%	13 26%	24 30%	29 29%	64 38%	36 39%	5 11%	41 30%
							I	i		I	Ij		q									a1	A1	A1	A1	A1B1		A1
TOP 2 (High + Medium)	313 66%	129 82%	66 45%	98 72%	152 65%	150 68%	61 65%	27 74%	15 66%	210 66%	15 80%	27 65%	60 81%	54 67%	48 67%	47 63%	60 63%	56 66%	101 64%	88 67%	58 71%	39 80%	62 77%	101 78%	124 74%	54 57%	9 20%	62 46%
			CD	C								noPQ										A1B1 Z	A1B1 Z	A1B1 Z	A1B1 Z	A1B1		A1
A low priority	99 21%	22 14%	42 29%	24 18%	44 19%	46 21%	24 25%	5 15%	7 30%	57 18%	1 6%	8 20%	13 17%	19 23%	16 22%	16 21%	12 13%	16 19%	33 21%	31 24%	11 14%	9 20%	14 17%	23 18%	32 19%	22 24%	10 24%	32 24%
			BD	B	f		K		K	k				q						u								
Not a priority for me	59 12%	5 3%	35 24%	15 11%	36 15%	21 10%	7 8%	4 11%	1 4%	45 14%	3 14%	4 9%	1 2%	6 8%	8 11%	11 15%	21 23%	9 10%	22 14%	12 9%	12 15%	-	4 5%	4 3%	11 7%	18 19%	23 54%	41 30%
			BD	B	f				gi					m	M	M	LMNO									WXYZ	YZB1 WX	WXYZ
Not sure	6 1%	1 *%	3 2%	-	2 1%	4 2%	1 1%	-	-	4 1%	-	2 6%	-	1 1%	-	1 1%	1 1%	4 5%	1 *%	1 1%	-	-	1 1%	1 1%	1 1%	-	1 2%	1 1%
																		S										

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2A.Climate change (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	477	109	67	120	19	23	138	91	211	68	90	371	149	189	153	131	125	74	21
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	473	106	68	114	19	23	143	87	212	65	92	364	144	183	154	133	123	76	20
A high priority for me	160	49	20	40	5	4	42	39	76	22	21	126	53	66	38	57	60	10	-
	34%	45%	30%	33%	27%	17%	30%	43%	36%	32%	24%	34%	36%	35%	25%	43%	48%	14%	
		cdFG		f				K	K					O		O	R		
A medium priority	153	27	26	35	11	9	45	31	65	21	33	107	59	64	56	32	39	28	4
	32%	24%	38%	29%	59%	40%	33%	34%	31%	31%	37%	29%	39%	34%	37%	25%	31%	38%	17%
			b		BDG							L	L	p	P		S	s	
TOP 2 (High + Medium)	313	76	46	75	16	13	87	70	141	42	54	233	111	130	94	89	99	39	4
	66%	69%	68%	63%	86%	57%	63%	77%	67%	62%	60%	63%	75%	69%	61%	68%	79%	52%	17%
				b	CDG			ijK					L				RS	S	
A low priority	99	23	10	26	1	8	31	13	40	14	24	79	28	42	34	21	22	24	7
	21%	21%	15%	22%	4%	35%	22%	14%	19%	21%	27%	21%	19%	22%	23%	16%	17%	32%	33%
		E		E		CE	E			H								Q	
Not a priority for me	59	11	10	16	2	2	19	7	28	11	11	54	9	16	21	20	4	11	10
	12%	10%	15%	13%	9%	8%	14%	8%	13%	17%	12%	15%	6%	8%	14%	16%	3%	14%	49%
								M				M				n		Q	QR
Not sure	6	-	1	3	-	-	2	1	2	-	1	5	1	1	4	-	1	1	-
	1%		1%	3%			1%	1%	1%		1%	1%	1%	1%	2%		1%	1%	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
2B. Chemicals and other toxins in the environment (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	492 100	158 100	157 100	139 100	236 100	233 100	99 100	34 100	21 100	334 100	28 100	38 100	79 100	79 100	82 100	78 100	89 100	102 100	159 100	126 100	84 100	58 100	82 100	140 100	169 100	99 100	43 100	142 100
Unweighted Total	488	160	153	138	236	229	77	18	19	363	24	32	56	81	81	98	97	97	160	124	87	47	82	129	173	102	44	146
A high priority for me	186 38%	78 50% Cd	42 27%	55 40% C	87 37%	92 40%	42 43%	10 30%	8 36%	123 37%	13 47%	11 30%	26 33%	36 46%	35 43%	29 37%	33 37%	42 42%	64 40%	44 35%	31 37%	18 32%	44 54% A1B1 VXYZ	62 45% A1B1 Vz	69 41% A1B1	31 32%	9 21%	40 28%
A medium priority	195 40%	62 39%	58 37%	55 39%	91 38%	91 39%	43 44%	12 37%	8 36%	125 37%	10 35%	17 45%	39 50% nQ	27 34%	31 38%	32 41%	29 33%	34 33%	65 41%	52 41%	33 40%	27 46%	26 31%	53 38%	72 43% w	39 40%	13 30%	52 37%
TOP 2 (High + Medium)	381 77%	140 89% CD	100 64%	110 79% C	178 76%	184 79%	85 86% hj	23 66%	15 72%	247 74%	23 82%	28 74%	65 83% q	63 80%	66 81% q	61 79%	62 70%	76 75%	129 81%	96 76%	64 77%	45 78% A1b1	70 85% A1B1 z	115 82% A1B1 z	141 84% A1B1 z	71 71% A1B1	22 50%	93 65% A1
A low priority	80 16%	14 9%	40 26% BD	21 15%	43 18%	35 15%	8 8%	8 23%	5 22%	67 20% G	4 15%	5 13%	12 16%	11 14%	9 11%	12 16%	21 23% o	20 19%	23 14%	25 19%	12 14%	12 20%	9 11%	21 15%	23 14%	20 20% w	13 30% wxy	33 23% wxy
Not a priority for me	23 5%	1 1%	13 8% B	7 5% B	14 6%	7 3%	4 4%	4 11%	1 6%	15 5%	1 3%	4 10%	1 2%	2 2%	5 6%	3 4%	5 5%	2 2%	6 4%	3 2%	7 9% RT	1 2%	2 2%	3 2%	2 1%	6 6% y	9 20% YZB1 VWX	15 10% WXYZ v
Not sure	9 2%	2 1%	4 2%	1 1%	-	8 3%	1 1%	-	-	5 2%	-	1 3%	-	3 3%	1 1%	1 1%	2 2%	4 4%	1 1%	3 2%	-	-	1 1%	1 1%	2 1%	2 2%	-	2 1%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2B. Chemicals and other toxins in the environment (Let's look at that list again. For each one, please say whether it is
 not a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	492	117	75	109	16	27	148	99	208	73	93	371	160	197	157	135	121	78	24
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	488	113	77	103	17	27	151	98	212	65	94	369	154	190	157	138	125	75	23
A high priority for me	186	39	26	39	7	11	63	41	74	28	40	129	70	85	49	52	66	23	3
	38%	33%	34%	36%	42%	42%	43%	41%	36%	38%	43%	35%	44%	43%	31%	38%	55%	29%	12%
													L	O			RS	s	
A medium priority	195	50	30	46	6	9	54	36	81	29	39	150	57	74	68	52	44	33	7
	40%	43%	40%	42%	37%	33%	36%	36%	39%	40%	42%	41%	36%	38%	43%	38%	37%	42%	30%
TOP 2 (High + Medium)	381	89	56	85	13	20	117	76	155	57	79	280	128	159	117	103	111	56	10
	77%	76%	75%	78%	79%	76%	79%	77%	74%	78%	85%	75%	80%	81%	75%	77%	92%	71%	41%
											I						RS	S	
A low priority	80	23	10	13	3	6	26	14	41	13	11	62	27	25	28	26	8	20	6
	16%	19%	14%	12%	16%	21%	18%	15%	20%	17%	12%	17%	17%	13%	18%	19%	7%	25%	24%
																		Q	q
Not a priority for me	23	3	7	8	1	1	3	4	11	4	3	21	1	8	8	5	1	2	8
	5%	2%	9%	7%	5%	3%	2%	4%	5%	5%	3%	6%	1%	4%	5%	3%	1%	2%	31%
			bg	bg								M							QR
Not sure	9	2	2	3	-	-	2	4	2	-	-	8	4	4	4	1	1	1	1
	2%	2%	3%	3%			1%	4%	1%			2%	2%	2%	2%	1%	1%	1%	3%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 2C.The ongoing effects of the COVID-19 pandemic (Let's look at that list again. For each one, please say whether it is
 not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	519 100	182 100	155 100	139 100	232 100	265 100	104 100	42 100	27 100	348 100	19 100	34 100	92 100	99 100	88 100	78 100	90 100	98 100	167 100	136 100	102 100	51 100	86 100	136 100	202 100	96 100	47 100	143 100
Unweighted Total	511	183	152	136	225	265	81	23	24	375	17	30	64	100	87	98	97	95	171	127	103	45	84	129	199	98	48	146
A high priority for me	197 38%	91 50% CD	31 20%	54 38% C	75 32%	110 41% E	58 56% hj	16 37%	10 39%	109 31%	7 37%	11 32%	36 39%	40 40%	39 44% p	25 32%	32 35%	38 39%	61 36%	49 36%	42 41%	32 63% A1B1 WXYZ	34 40% A1B1 Z	66 48% A1B1 WZ	87 43% A1B1 Z	20 20%	8 17%	28 19%
A medium priority	183 35%	73 40%	57 37%	46 33%	80 35%	99 37%	30 29%	21 49% g	7 27%	126 36%	10 53% g	11 33%	32 34%	36 37%	30 35%	34 44% q	29 32%	29 29%	62 37%	59 43% Ru	31 30%	11 21% A1B1 VXYZ	45 52% A1B1 Va1	55 41% A1B1 V	71 35% A1B1 V	34 36% A1B1 v	12 26%	46 33%
TOP 2 (High + Medium)	380 73%	163 90% CD	88 57%	99 71% C	155 67%	208 79% E	88 85% ij	36 86% J	18 66%	235 68%	17 90% ij	22 65%	68 74%	76 77%	69 78% q	59 75%	60 67%	67 68%	123 73%	108 79% r	72 71%	42 83% A1B1 Z	78 92% A1B1 YZ	121 89% A1B1 YZ	157 78% A1B1 Z	54 56%	20 43%	74 52%
A low priority	73 14%	13 7%	34 22% Bd	19 14% b	36 15%	33 12%	6 6%	2 5%	3 12%	61 17% GH	-	3 10%	14 15%	13 13%	8 9%	10 13%	17 19% o	14 14%	23 14%	16 12%	17 16%	6 12%	5 6%	11 8%	23 11%	21 22% WXY	13 29% VWXY	35 24% VWXY
Not a priority for me	60 12%	4 2%	32 20% B	20 14% B	37 16% F	22 8%	7 7%	2 5%	4 17%	48 14% Gh	2 10%	6 16%	9 10%	9 9%	10 11%	9 12%	12 14%	15 15% t	20 12%	10 7%	13 13%	1 2%	2 3%	3 2%	18 9% VWX	21 22% VWXYZ	13 28% VWXYZ	34 24% VWXYZ
Not sure	7 1%	1 *% n	2 1%	1 1%	4 2%	2 1%	3 2%	2 4%	1 5%	4 1%	-	3 9%	1 1%	1 1%	1 1%	-	-	3 3%	1 1%	3 2%	-	1 3%	-	1 1%	4 2%	-	-	-

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2C.The ongoing effects of the COVID-19 pandemic (Let's look at that list again. For each one, please say whether it is
 not a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP		DRINK	BOTTLED	WTR	CONCERNED ABOUT		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	===WATER=== Yes	No				Often	Some- times	Seldm /Nevr
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	519	123	73	107	23	28	165	95	231	61	116	393	168	199	167	149	137	82	18
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	511	117	72	104	23	28	167	94	229	55	117	387	161	192	169	147	140	80	17
A high priority for me	197	50	23	42	7	11	63	49	82	21	38	136	82	87	58	52	48	27	6
	38%	41%	32%	39%	28%	40%	38%	52%	35%	35%	33%	34%	49%	44%	34%	35%	35%	33%	34%
								Ijk					L	o					
A medium priority	183	41	33	35	8	12	54	32	86	21	41	142	58	71	58	54	56	28	6
	35%	34%	45%	33%	34%	41%	33%	33%	37%	34%	35%	36%	34%	36%	35%	36%	41%	34%	31%
TOP 2 (High + Medium)	380	92	56	77	15	23	118	81	168	42	79	277	139	158	116	106	104	55	12
	73%	75%	77%	72%	63%	81%	71%	85%	73%	69%	68%	71%	83%	79%	69%	71%	76%	67%	64%
								Ijk					L	o					
A low priority	73	18	9	17	4	3	21	6	32	11	20	61	15	18	22	32	16	14	2
	14%	14%	12%	16%	19%	10%	13%	7%	14%	18%	18%	16%	9%	9%	13%	21%	12%	18%	9%
									h	h	H	M			No				
Not a priority for me	60	10	7	11	3	3	26	8	28	8	15	49	12	20	30	10	17	9	4
	12%	8%	10%	11%	13%	9%	16%	8%	12%	13%	13%	13%	7%	10%	18%	7%	12%	11%	22%
							b					M			NP				
Not sure	7	3	1	1	1	-	-	-	3	-	2	5	1	4	-	1	-	3	1
	1%	3%	1%	1%	6%				1%		2%	1%	1%	2%		1%		4%	4%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
2D.Trash and litter in your community (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	526 100	165 100	154 100	166 100	252 100	252 100	103 100	46 100	28 100	344 100	22 100	36 100	95 100	87 100	87 100	82 100	92 100	114 100	151 100	159 100	86 100	59 100	75 100	133 100	203 100	98 100	43 100	142 100
Unweighted Total	515	165	151	160	245	248	79	24	24	373	20	32	64	89	87	101	100	107	158	146	89	50	72	122	198	103	45	148
A high priority for me	128 24%	40 24%	35 23%	43 26%	57 23%	66 26%	31 30%	15 32%	10 35%	79 23%	3 15%	12 34% q	31 33% oq	18 21%	17 19%	21 25%	17 19%	41 36% STU	39 26% U	32 20%	12 14%	16 27% a1	21 28% A1	37 28% A1b1	47 23% a1	21 21%	5 11%	26 18%
A medium priority	192 37%	63 38%	51 33%	60 36%	93 37%	89 35%	29 29%	14 31%	5 17%	139 40% GI	9 40% i	10 26%	34 36%	38 44% l	38 43% l	29 35%	30 32%	35 31%	61 40%	63 39%	27 32%	22 37%	27 36%	49 37%	75 37%	35 35%	15 34%	49 35%
TOP 2 (High + Medium)	320 61%	103 63%	86 56%	102 62%	150 60%	155 61%	60 59%	29 63%	14 51%	217 63%	12 55%	22 61%	66 69% Q	56 65% q	55 63%	50 61%	47 51%	76 67% U	99 66% U	95 60% U	39 46%	38 64% a1	48 65% A1	86 65% A1b1	122 60% a1	55 56%	20 45%	75 53%
A low priority	148 28%	45 27%	49 31%	47 28%	69 28%	72 28%	28 27%	9 20%	12 44% hk	92 27%	4 19%	10 27%	22 23%	24 28%	27 31%	25 31%	26 28%	26 23%	37 24%	46 29%	34 39% RS	14 23%	22 30%	36 27%	59 29%	29 29%	16 37%	45 32%
Not a priority for me	53 10%	16 10%	17 11%	16 10%	32 13%	20 8%	14 14% i	8 17%	1 5%	32 9%	5 23% i	3 9%	7 8%	5 6%	5 6%	7 8%	18 20% MNOP	10 9%	14 10%	17 11%	12 14%	7 12%	4 6%	12 9%	20 10%	13 13% w	6 15%	20 14% w
Not sure	5 1%	1 1%	3 2%	-	-	5 2%	-	-	-	3 1%	1 4%	1 3%	-	1 1%	-	-	1 1%	2 2%	1 1%	1 1%	1 1%	-	-	-	2 1%	1 1%	1 2%	2 1%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2D.Trash and litter in your community (Let's look at that list again. For each one, please say whether it is not a
 priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT		ABOUT TRASH== Not
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	====WATER==== Yes	No				=FLOATING Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	526	139	75	116	25	31	141	102	238	69	100	400	165	213	158	156	145	85	21
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	515	131	72	111	25	31	145	102	234	61	102	391	159	205	158	152	141	85	20
A high priority for me	128	30	21	24	4	8	39	26	46	29	23	92	53	69	30	29	52	9	2
	24%	22%	29%	21%	16%	27%	28%	25%	19%	42% HIK	23%	23%	32% L	32% OP	19%	19%	36% RS	10%	9%
A medium priority	192	36	29	53	8	11	56	41	91	19	36	143	60	76	61	55	60	34	7
	37%	26%	38% b	46% B	31%	37%	40% B	40%	38%	28%	37%	36%	36%	36%	39%	35%	42%	40%	34%
TOP 2 (High + Medium)	320	66	50	77	12	20	95	67	136	48	60	235	113	145	91	84	112	42	9
	61%	48%	67% Be	67% Be	47%	64% b	67% Be	65%	57%	69% i	60%	59%	68% L	68% OP	58%	54%	77% RS	50%	42%
A low priority	148	57	15	25	10	8	33	27	72	11	32	112	42	54	46	48	26	31	6
	28%	41% CDG	20%	22%	42% cdg	26%	23%	26%	30% J	16%	32% J	28%	25%	25%	29%	31%	18%	37% Q	30%
Not a priority for me	53	16	9	10	3	3	12	7	28	10	8	49	9	14	18	21	7	10	6
	10%	11%	12%	9%	11%	10%	9%	7%	12%	15%	8%	12% M	5%	6%	11% n	14% N	5%	12% q	27% Q
Not sure	5	-	-	4	-	-	1	2	2	-	-	4	2	-	3	2	-	1	-
	1%			3%			1%	2%	1%			1%	1%		2%	1%		1%	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
2E.Plastic floating in the ocean (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	491 100	157 100	158 100	138 100	230 100	244 100	97 100	37 100	24 100	327 100	18 100	28 100	80 100	89 100	88 100	75 100	89 100	93 100	167 100	128 100	88 100	42 100	72 100	115 100	196 100	104 100	34 100	138 100
Unweighted Total	486	161	156	132	222	246	75	20	19	358	17	23	55	92	86	94	97	89	165	126	91	36	72	108	191	108	38	146
A high priority for me	198 40%	76 48%	47 30%	58 42%	86 37%	102 42%	42 44%	12 33%	11 46%	129 39%	8 43%	15 55%	24 30%	29 33%	30 34%	36 47%	42 47%	42 46%	68 41%	44 35%	35 39%	24 57%	35 48%	59 52%	70 36%	39 38%	5 16%	45 32%
			C	C								Mno				MNo	Mno					A1B1 Yz	A1B1 y	A1B1 Yz	A1	A1B1		A1
A medium priority	176 36%	51 33%	59 37%	55 40%	80 35%	94 39%	26 27%	12 31%	6 27%	125 38%	5 26%	6 21%	37 46%	34 39%	36 41%	25 33%	29 33%	31 34%	58 35%	52 41%	32 37%	10 24%	25 35%	36 31%	75 38%	38 37%	15 45%	53 39%
										g			L		l										v	v	v	v
TOP 2 (High + Medium)	374 76%	127 81%	106 67%	113 82%	166 72%	196 80%	69 71%	24 64%	18 73%	254 78%	13 70%	21 76%	61 76%	64 71%	66 75%	61 80%	71 80%	74 79%	127 76%	97 76%	67 76%	34 81%	61 84%	95 83%	145 74%	77 75%	21 61%	98 71%
			C	C		E							lop										A1	A1B1 y	A1B1 y			
A low priority	72 15%	21 13%	30 19%	18 13%	36 16%	34 14%	13 14%	5 15%	7 27%	47 14%	1 6%	2 8%	16 20%	20 22%	11 13%	7 10%	12 13%	10 11%	26 15%	21 16%	15 17%	6 13%	10 14%	16 14%	31 16%	14 13%	9 26%	23 17%
Not a priority for me	33 7%	8 5%	14 9%	7 5%	22 10%	8 3%	12 13%	6 16%	-	17 5%	4 24%	1 4%	3 4%	5 5%	9 10%	5 6%	5 5%	6 6%	11 7%	5 4%	7 8%	2 6%	2 3%	4 4%	15 8%	9 8%	3 8%	11 8%
				F			J				J				m										Wx	w		Wx
Not sure	12 3%	1 1%	8 5%	-	6 3%	6 2%	2 2%	2 5%	-	9 3%	-	3 11%	-	1 1%	2 2%	3 3%	2 2%	3 3%	4 2%	5 4%	-	-	-	-	5 2%	4 4%	2 5%	6 4%
			B																									

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2E.Plastic floating in the ocean (Let's look at that list again. For each one, please say whether it is not a priority,
 a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Sel dm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	491	129	66	107	20	30	140	89	224	63	99	388	144	186	166	136	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	486	126	67	101	20	31	141	88	222	59	101	383	135	178	167	138	272	153	41
A high priority for me	198	48	27	46	4	13	61	44	78	26	43	150	64	84	60	53	170	21	4
	40%	38%	40%	43%	18%	42%	43%	50%	35%	41%	44%	39%	44%	45%	36%	39%	62%	14%	8%
		E	E	E		E	E	I									RS		
A medium priority	176	52	24	31	11	10	48	29	89	21	34	140	51	62	63	52	81	87	3
	36%	41%	37%	28%	57%	34%	34%	32%	40%	33%	34%	36%	36%	33%	38%	38%	30%	56%	6%
		d			Dg												S	QS	
TOP 2 (High + Medium)	374	101	51	76	15	23	108	73	167	47	77	290	115	146	123	104	250	108	6
	76%	78%	77%	71%	74%	76%	77%	82%	75%	74%	78%	75%	80%	78%	74%	77%	92%	70%	15%
																	RS	S	
A low priority	72	19	10	14	4	2	22	13	35	8	15	62	17	23	28	21	18	35	16
	15%	15%	16%	13%	22%	7%	16%	15%	16%	12%	15%	16%	12%	12%	17%	16%	7%	23%	37%
																	Q	Q	Qr
Not a priority for me	33	4	3	11	1	5	9	1	17	8	5	27	9	12	10	9	2	7	20
	7%	3%	5%	10%	4%	17%	6%	1%	7%	12%	5%	7%	6%	7%	6%	6%	1%	5%	48%
				B		B			H	H							Q	Q	QR
Not sure	12	5	1	6	-	-	1	2	5	1	2	10	3	6	5	1	2	5	-
	3%	4%	2%	6%			1%	2%	2%	1%	2%	3%	2%	3%	3%	1%	1%	3%	
		g		g															

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
2F. Factories, power plants, and other pollution sources located close to where people live (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	489 100	144 100	154 100	162 100	240 100	230 100	90 100	39 100	25 100	337 100	14 100	30 100	102 100	80 100	72 100	80 100	87 100	93 100	148 100	152 100	77 100	45 100	71 100	116 100	196 100	98 100	42 100	140 100
Unweighted Total	479	147	149	155	232	228	68	20	21	364	13	26	69	83	71	100	96	90	153	144	76	42	71	113	188	100	43	143
A high priority for me	137 28%	54 38% Cd	28 18%	46 28% C	52 22%	82 36% E	40 45% HJK	7 18%	7 27%	85 25%	3 20%	12 40%	31 31%	19 24%	21 28%	20 25%	26 30%	37 39% TU	49 33% Tu	32 21%	17 22%	15 33% A1	30 43% YZ	45 39% A1B1 YZ	54 27% A1b1	25 25% A1B1	3 6%	27 19% A1
A medium priority	154 31%	55 38% c	43 28%	49 30%	76 32%	71 31%	29 32%	12 30%	6 25%	106 31%	5 38%	9 31%	29 29%	26 33%	24 32%	32 40% Q	23 26%	25 27%	44 29%	50 33%	30 39% r	18 39% A1	20 28%	37 32% a1	68 35% A1	31 31%	8 19%	39 28%
TOP 2 (High + Medium)	291 60%	110 76% CD	71 46%	95 59% C	128 54%	153 67% E	69 76% HIJ	19 48%	13 52%	191 57%	8 58%	22 72%	61 60%	45 57%	44 61%	51 65%	49 56%	62 66% t	92 62%	82 54%	47 62%	32 72% A1B1 z	50 71% A1B1 z	82 71% A1B1 z	121 62% A1B1	55 56% A1B1	11 25%	66 47% A1
A low priority	129 26%	26 18%	46 30% B	47 29% B	69 29%	55 24%	14 15%	11 29%	5 19%	94 28% G	4 27%	4 14%	34 34% L	22 28% l	18 25%	20 26%	20 23%	21 22%	37 25%	49 32%	18 24%	9 19%	13 18%	21 18%	54 27% x	31 32% VWX	14 34% wx	46 33% VWX
Not a priority for me	59 12%	7 5%	31 20% Bd	19 12% B	40 17% F	17 7%	6 7%	7 19%	7 29% G	45 13% g	2 16%	3 9%	7 7%	12 16% m	7 10%	7 9%	18 21% lMOP	11 12%	15 10%	18 12%	11 15%	4 9%	7 10%	11 9%	17 9%	11 11% YZB1 VWX	15 37% wXYZ	26 19% v
Not sure	10 2%	1 1%	6 4% b	-	2 1%	5 2%	1 1%	2 5%	-	7 2%	-	2 6%	-	-	3 4%	1 1%	-	-	4 2%	4 3%	-	-	1 2%	1 1%	4 2%	1 1%	2 5%	3 2%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

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Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
2F. Factories, power plants, and other pollution sources located close to where people live (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	489 100	122 100	75 100	102 100	18 100	22 100	150 100	90 100	223 100	56 100	106 100	377 100	146 100	192 100	139 100	154 100	125 100	63 100	23 100
Unweighted Total	479	115	71	99	18	23	153	87	220	51	108	370	138	183	140	154	124	61	24
A high priority for me	137 28%	22 18%	31 42% Bdg	28 28%	4 24%	6 27%	45 30%	34 38% I	46 21%	21 37% I	36 34% I	93 25%	59 41% L	66 35% P	38 28%	33 21%	49 40% RS	13 20%	2 9%
A medium priority	154 31%	44 36%	21 28%	34 34%	6 30%	8 35%	41 27%	23 26%	80 36%	15 27%	29 27%	120 32%	45 31%	60 31%	48 35%	46 30%	48 39% S	23 37% S	2 7%
TOP 2 (High + Medium)	291 60%	67 55%	52 70% Bg	62 61%	10 54%	14 62%	86 57%	57 64%	126 56%	36 64%	64 61%	213 56%	105 72% L	126 66% P	86 62% p	79 51%	98 78% RS	36 57% S	4 15%
A low priority	129 26%	38 31% c	14 19%	24 24%	5 29%	5 22%	43 29%	22 25%	61 28%	14 24%	28 26%	101 27%	36 25%	45 23%	36 26%	48 31%	18 14%	21 34% Q	7 31%
Not a priority for me	59 12%	14 12%	7 9%	11 11%	3 17%	3 16%	19 13%	8 9%	33 15%	7 12%	11 10%	54 14% M	4 3%	17 9%	13 10%	26 17% No	9 7%	3 4%	13 54% QR
Not sure	10 2%	3 2%	1 2%	4 4%	-	-	2 1%	2 2%	3 1%	-	3 3%	9 2%	1 1%	4 2%	4 3%	1 1%	1 1%	3 4%	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
2G.Loss of natural areas and animal habitat (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	482 100	143 100	152 100	154 100	233 100	233 100	84 100	40 100	26 100	329 100	15 100	31 100	87 100	80 100	78 100	77 100	90 100	95 100	158 100	125 100	89 100	32 100	87 100	120 100	179 100	95 100	43 100	138 100
Unweighted Total	475	148	150	146	228	232	63	22	21	358	15	27	61	82	76	97	98	91	160	121	91	29	83	112	177	100	44	144
A high priority for me	198 41%	69 48%	45 29%	71 46%	84 36%	105 45%	35 42%	17 42%	16 61%	131 40%	8 53%	17 54%	38 44%	32 40%	29 38%	27 35%	41 45%	39 42%	71 45%	49 39%	32 36%	20 63%	44 50%	64 54%	66 37%	35 37%	7 16%	42 31%
		C		C		e			gj			p										A1B1 YZ	A1B1 yz	A1B1 YZ	A1 A1	A1B1	A1	
A medium priority	164 34%	46 32%	59 39%	46 30%	77 33%	83 36%	24 29%	11 26%	6 25%	118 36%	5 33%	6 19%	37 42%	29 37%	23 30%	30 38%	26 29%	36 38%	50 31%	44 35%	31 35%	8 23%	28 32%	35 29%	67 38%	29 31%	18 42%	48 34%
													L	l		L											v	
TOP 2 (High + Medium)	362 75%	115 80%	104 68%	117 76%	160 69%	188 81%	59 70%	27 69%	22 86%	249 76%	13 86%	23 73%	75 86%	61 76%	52 68%	57 74%	67 74%	76 79%	121 77%	93 74%	63 71%	28 86%	71 82%	99 83%	133 75%	65 68%	25 58%	90 65%
		C			E				g		g		Opq									A1B1 yz	A1B1 z	A1B1 yz	A1b1			
A low priority	78 16%	20 14%	35 23%	21 13%	49 21%	29 13%	13 16%	7 18%	1 4%	58 18%	1 6%	3 9%	8 10%	16 19%	15 20%	13 17%	18 20%	11 12%	27 17%	24 19%	16 18%	3 10%	10 12%	14 11%	32 18%	23 24%	10 23%	33 24%
			BD		F		i		Ik				m	m		m									VWX	VWX	VWX	
Not a priority for me	32 7%	7 5%	11 7%	12 8%	21 9%	9 4%	8 9%	5 13%	1 5%	16 5%	-	1 4%	4 4%	4 4%	10 13%	4 6%	5 5%	4 4%	9 5%	5 4%	10 11%	1 4%	4 5%	6 5%	11 6%	6 6%	6 15%	12 9%
					F								mn								rt					vwx		
Not sure	10 2%	1 1%	3 2%	4 2%	3 1%	7 3%	4 4%	-	1 5%	6 2%	1 8%	4 14%	-	-	-	2 3%	1 1%	5 5%	2 1%	3 3%	3 -	-	1 1%	1 1%	2 1%	1 2%	2 4%	3 2%
											q																	

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2G.Loss of natural areas and animal habitat (Let's look at that list again. For each one, please say whether it is not
 a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	482	109	67	111	15	30	149	88	213	67	101	376	143	177	157	145	138	92	19
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	475	106	65	107	15	31	151	87	214	61	101	370	136	173	157	144	141	90	19
A high priority for me	198	45	31	50	5	12	55	37	87	23	48	142	72	91	55	52	90	18	-
	41%	42%	46%	45%	33%	41%	37%	41%	41%	34%	47%	38%	50%	51%	35%	36%	65%	19%	
													L	OP			R		
A medium priority	164	37	23	31	6	10	56	32	71	25	30	131	49	60	58	45	36	46	5
	34%	34%	34%	28%	42%	33%	38%	36%	33%	38%	30%	35%	34%	34%	37%	31%	26%	50%	24%
																		QS	
TOP 2 (High + Medium)	362	82	53	81	11	22	112	69	157	48	78	273	121	152	113	97	125	63	5
	75%	76%	79%	73%	74%	74%	75%	78%	74%	71%	77%	73%	85%	86%	72%	67%	91%	69%	24%
													L	OP			RS	S	
A low priority	78	19	9	16	3	5	27	15	34	14	14	66	15	15	30	33	11	22	9
	16%	17%	13%	15%	20%	15%	18%	17%	16%	21%	14%	18%	10%	8%	19%	22%	8%	24%	44%
												M			N	N		Q	Qr
Not a priority for me	32	8	5	8	1	3	7	2	19	3	7	27	5	11	8	11	1	6	6
	7%	7%	8%	7%	5%	9%	5%	3%	9%	4%	6%	7%	4%	6%	5%	8%	1%	6%	31%
									H			m					Q	QR	
Not sure	10	-	-	5	-	1	4	2	2	2	3	10	2	-	6	4	1	1	-
	2%			5%		2%	2%	2%	1%	3%	3%	3%	2%		4%	3%	1%	1%	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 2H. Severe weather events (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	482 100	152 100	150 100	141 100	245 100	217 100	106 100	33 100	22 100	323 100	24 100	28 100	81 100	65 100	86 100	81 100	94 100	97 100	165 100	118 100	85 100	48 100	68 100	116 100	191 100	101 100	33 100	134 100
Unweighted Total	476	156	148	136	238	219	81	17	18	350	21	23	55	71	85	100	100	92	166	114	88	41	67	108	190	106	35	141
A high priority for me	139 29%	63 41% CD	24 16%	41 29% C	63 26%	69 32%	39 37% JK	13 40% k	11 49% JK	78 24%	4 16%	8 27%	31 38% o	21 32%	17 20%	26 32% o	24 26%	25 26%	52 32%	28 24%	29 34%	24 49% A1B1 wxyz	19 29% A1b1	43 37% A1B1 wz	62 32% A1B1 z	18 18%	4 12%	22 16%
A medium priority	170 35%	58 38%	45 30%	54 38%	91 37%	73 34%	38 36% I	11 32%	3 12%	116 36% I	9 39% I	11 39%	20 25%	25 39%	41 47% MP	23 28%	34 36%	28 29%	60 36%	49 41% r	28 33%	11 24% VXA1	31 45% V	42 36% V	71 37% v	37 37%	8 26%	46 34%
TOP 2 (High + Medium)	309 64%	121 80% CD	69 46%	95 67% C	153 63%	142 66%	77 73% J	24 72%	14 61%	194 60%	13 55%	18 66%	51 63%	46 71%	58 68%	49 60%	58 62%	53 55%	112 68% R	77 65%	57 67%	35 72% A1B1 Z	50 74% A1B1 Z	85 73% A1B1 Z	133 70% A1B1 Z	56 55% a1b1	12 37%	68 51% a1
A low priority	131 27%	26 17%	64 42% BD	30 22%	64 26%	61 28%	23 21%	8 23%	7 33%	93 29%	9 36%	4 15%	23 28%	14 21%	24 28%	23 28%	27 28%	36 37% Su	39 24%	31 26%	20 23%	12 24%	14 21%	26 22%	41 21%	33 33% wxy	16 49% Yzb1 VWX	49 37% wxyz
Not a priority for me	34 7%	3 2%	12 8% B	16 11% B	23 9% f	10 5%	5 5%	-	1 6%	29 9%	2 9%	4 13%	7 8%	4 7%	4 5%	6 8%	7 8%	7 7%	12 7%	7 6%	6 7%	2 4%	2 3%	4 3%	14 7%	12 12% vwX	3 8%	14 11% wX
Not sure	8 2%	2 1%	5 4% d	1 1%	5 2%	3 1%	1 1%	2 5%	-	7 2%	-	2 7%	-	1 1%	-	3 4%	2 2%	1 1%	1 1%	3 2%	3 3%	-	2 2%	2 1%	4 2%	1 1%	2 6%	3 2%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2H. Severe weather events (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT					
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	=FLOATING	TRASH==	Very	Some	Not	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)			
Total	482	119	67	112	20	35	129	97	212	61	97	377	138	181	158	141	130	80	18			
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	476	116	65	108	21	36	130	97	213	51	101	373	133	173	163	138	129	79	19			
A high priority for me	139	35	18	37	3	12	35	34	63	17	23	114	42	57	39	43	57	13	2			
	29%	30%	26%	33%	17%	33%	27%	35%	30%	29%	24%	30%	30%	32%	24%	30%	44%	16%	9%			
								k									RS					
A medium priority	170	33	34	40	4	13	46	40	71	18	34	120	56	64	57	47	44	26	6			
	35%	28%	50%	36%	19%	36%	36%	42%	34%	30%	34%	32%	41%	36%	36%	33%	33%	32%	34%			
			BdEg	e			e						l									
TOP 2 (High + Medium)	309	69	51	77	7	24	81	74	134	36	57	234	98	122	96	89	100	39	8			
	64%	58%	77%	69%	36%	70%	63%	77%	63%	59%	58%	62%	71%	67%	61%	64%	77%	48%	43%			
		e	BEG	E		E	E	IJK					L				RS					
A low priority	131	38	12	25	10	9	36	18	57	19	31	107	36	49	46	36	23	33	6			
	27%	32%	18%	23%	50%	26%	28%	19%	27%	31%	32%	28%	26%	27%	29%	26%	17%	41%	35%			
		C		CDfg							H						Q					
Not a priority for me	34	10	3	9	1	1	10	3	18	4	7	29	4	9	11	14	5	6	4			
	7%	9%	4%	8%	4%	2%	8%	4%	9%	7%	7%	8%	3%	5%	7%	10%	4%	8%	21%			
									h			M							q			
Not sure	8	2	1	1	2	1	2	1	2	2	3	8	-	2	5	2	2	3	-			
	2%	2%	1%	1%	10%	2%	1%	1%	1%	3%	3%	2%		1%	3%	1%	2%	3%				

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
2I.Lack of good-paying jobs (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	519 100	172 100	164 100	145 100	244 100	253 100	106 100	41 100	31 100	354 100	17 100	43 100	85 100	86 100	101 100	77 100	84 100	121 100	157 100	135 100	90 100	45 100	84 100	129 100	212 100	95 100	41 100	137 100
Unweighted Total	510	173	159	141	238	252	82	23	26	382	15	36	59	91	99	94	93	115	156	131	94	39	80	119	208	100	44	144
A high priority for me	223 43%	80 47%	56 34%	66 45%	92 38%	120 47%	60 57%	19 46%	19 61%	130 37%	7 39%	28 64%	39 46%	47 55%	46 46%	31 40%	14 17%	67 55%	73 46%	55 40%	21 24%	25 55%	43 51%	68 53%	93 44%	29 30%	12 30%	41 30%
			C	c		E	J		J			moPQ	Q	pQ	Q	Q		TU	U	U		A1B1 Z	A1B1 Z	A1B1 Z	a1B1 Z			
A medium priority	149 29%	54 31%	43 26%	46 32%	72 30%	74 29%	26 25%	11 27%	9 28%	110 31%	4 24%	11 25%	26 31%	23 27%	34 33%	21 28%	22 26%	21 18%	48 31%	45 33%	34 37%	13 30%	22 27%	36 28%	66 31%	28 29%	12 28%	40 29%
TOP 2 (High + Medium)	373 72%	134 78%	100 61%	111 77%	165 67%	194 77%	86 81%	30 74%	28 89%	239 68%	11 63%	38 89%	65 77%	71 82%	80 79%	52 68%	36 43%	88 73%	121 77%	99 74%	55 61%	38 85%	66 78%	104 80%	159 75%	57 60%	24 58%	81 59%
		C		C	E	J		Jk			PQ	Q	PQ	pQ	Q		u	U	u		A1B1 Z	A1B1 Z	A1B1 Z	A1B1 Z				
A low priority	87 17%	24 14%	37 22%	22 15%	50 21%	31 12%	8 8%	7 16%	2 6%	67 19%	2 15%	1 2%	16 18%	12 14%	11 11%	15 20%	24 29%	20 16%	21 13%	21 16%	21 24%	2 5%	14 17%	16 13%	34 16%	20 22%	11 26%	31 23%
			b		F				GI			L	L	L	Lo	LNO				S		VX	V	V	V	Vx	Vx	Vx
Not a priority for me	46 9%	10 6%	24 14%	10 7%	26 10%	20 8%	8 8%	4 10%	1 4%	38 11%	3 15%	1 3%	4 5%	3 4%	7 7%	6 8%	21 25%	9 7%	11 7%	11 8%	13 15%	4 8%	3 4%	7 5%	17 8%	16 17%	4 9%	20 15%
			BD													MNOP L				rs					WXY		Wxy	
Not sure	13 3%	4 2%	4 2%	1 1%	4 2%	8 3%	4 3%	-	-	10 3%	1 7%	2 6%	-	-	3 3%	3 4%	3 3%	4 3%	4 3%	3 2%	1 1%	1 2%	1 1%	2 2%	3 1%	2 2%	3 7%	4 3%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
2I.Lack of good-paying jobs (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT		ABOUT		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	=FLOATING Very	Some	TRASH= Not		
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)		
Total	519	127	77	109	25	26	155	94	229	72	107	408	150	201	177	138	147	82	25		
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Unweighted Total	510	123	75	101	25	27	159	93	227	65	109	399	145	193	176	138	147	79	24		
A high priority for me	223	49	30	49	12	17	67	49	87	42	39	166	83	112	67	43	73	28	10		
	43%	39%	39%	45%	46%	66%	43%	52%	38%	58%	36%	41%	55%	56%	38%	32%	50%	34%	38%		
						BCdG		IK		IK			L	OP			R				
A medium priority	149	43	33	19	7	3	44	29	67	14	38	121	39	51	52	47	51	23	6		
	29%	34%	43%	18%	29%	11%	28%	31%	29%	19%	36%	30%	26%	25%	29%	34%	35%	28%	24%		
		DF	DFG		f		dF		j		J										
TOP 2 (High + Medium)	373	92	63	69	19	20	111	78	154	56	77	287	122	163	119	90	125	51	15		
	72%	72%	82%	63%	75%	76%	71%	82%	67%	78%	72%	70%	81%	81%	67%	65%	85%	62%	62%		
			Dg				Ik					L	OP			RS					
A low priority	87	24	7	20	4	4	29	11	41	9	23	75	15	18	33	35	15	20	6		
	17%	19%	9%	19%	14%	14%	19%	11%	18%	12%	21%	18%	10%	9%	19%	25%	10%	24%	24%		
		c		c			c		h		h	M			N	N		Q			
Not a priority for me	46	10	5	14	3	2	11	3	31	6	5	36	10	16	18	12	4	10	3		
	9%	8%	7%	13%	11%	7%	7%	3%	13%	9%	5%	9%	6%	8%	10%	8%	3%	12%	14%		
									HK									Q			
Not sure	13	1	1	6	-	1	4	3	3	1	3	10	4	4	7	1	3	1	-		
	3%	1%	2%	6%		3%	3%	3%	1%	1%	3%	2%	3%	2%	4%	1%	2%	1%			
				b																	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 2J.Inflation and the cost of living (Let's look at that list again. For each one, please say whether it is not a
 priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	500 100	169 100	146 100	149 100	232 100	244 100	109 100	36 100	27 100	324 100	26 100	36 100	92 100	84 100	80 100	77 100	83 100	103 100	162 100	133 100	83 100	53 100	88 100	141 100	186 100	91 100	39 100	130 100
Unweighted Total	491	167	145	142	226	241	82	19	22	355	22	32	62	88	75	98	91	95	164	127	86	44	87	131	181	96	41	137
A high priority for me	396 79%	119 71%	121 83%	126 85%	178 77%	196 80%	85 78%	28 77%	21 79%	260 80%	19 75%	27 75%	77 83%	67 80%	68 86%	62 80%	64 78%	87 85%	138 85%	98 74%	56 67%	41 77%	60 67%	100 71%	145 78%	77 85%	36 93%	114 87%
A medium priority	84 17%	42 25%	17 12%	19 13%	45 20%	37 15%	14 13%	6 16%	5 17%	55 17%	3 11%	7 18%	14 15%	14 17%	11 13%	12 15%	15 18%	11 11%	19 12%	30 23%	22 27%	7 13%	25 29%	32 23%	36 19%	11 12%	2 5%	12 10%
TOP 2 (High + Medium)	480 96%	162 96%	138 95%	145 98%	224 96%	233 96%	100 91%	34 93%	26 96%	315 97%	22 86%	34 93%	90 98%	81 97%	79 99%	74 95%	80 96%	98 95%	157 97%	128 97%	78 94%	47 90%	85 96%	132 94%	180 97%	88 96%	38 97%	126 97%
A low priority	16 3%	7 4%	5 3%	4 2%	7 3%	8 3%	5 5%	-	1 4%	9 3%	1 4%	1 3%	2 2%	2 3%	1 1%	4 5%	3 4%	1 1%	5 3%	4 3%	5 6%	2 5%	4 4%	6 4%	5 3%	3 4%	1 3%	4 3%
Not a priority for me	3 1%	-	3 2%	-	-	3 1%	3 2%	3 7%	-	-	3 10%	-	-	-	-	-	-	3 2%	-	-	-	3 5%	-	3 2%	-	-	-	-
Not sure	1 *%	-	-	-	1 1%	-	1 1%	-	-	-	-	1 4%	-	-	-	-	-	1 1%	-	-	-	-	-	-	-	-	-	-

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 2J. Inflation and the cost of living (Let's look at that list again. For each one, please say whether it is not a
 priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	500	128	68	128	17	29	131	105	229	62	82	390	142	197	163	137	151	70	19
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	491	121	69	121	18	30	132	103	228	56	83	383	136	191	162	136	150	69	18
A high priority for me	396	92	57	103	14	23	108	81	181	50	67	305	116	166	125	104	120	57	18
	79%	72%	85%	80%	82%	78%	82%	77%	79%	80%	82%	78%	82%	84%	77%	76%	80%	82%	95%
			B				b							p					Qr
A medium priority	84	28	9	19	3	6	19	20	39	10	13	66	25	28	30	26	25	9	1
	17%	22%	13%	15%	18%	19%	15%	19%	17%	16%	16%	17%	18%	14%	18%	19%	17%	12%	5%
																	s		
TOP 2 (High + Medium)	480	120	66	122	17	28	127	102	220	60	80	371	141	194	155	130	146	66	19
	96%	94%	98%	95%	100%	97%	97%	97%	96%	96%	97%	95%	100%	98%	95%	95%	97%	95%	100%
					BCDg								L	o					Qr
A low priority	16	8	2	2	-	1	4	4	10	-	2	16	1	3	6	7	5	4	-
	3%	6%	2%	2%		3%	3%	3%	4%		3%	4%	*%	2%	3%	5%	3%	5%	
		d										M							
Not a priority for me	3	-	-	3	-	-	-	-	-	3	-	3	-	-	3	-	-	-	-
	1%			2%						4%		1%			2%				
Not sure	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	*%			1%															

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 2K.Plastics and toxins contaminating human food (Let's look at that list again. For each one, please say whether it is
 not a priority, a low priority, a medium priority, or a high priority for you.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	517 100	158 100	170 100	153 100	242 100	256 100	106 100	42 100	24 100	347 100	19 100	43 100	101 100	78 100	76 100	77 100	100 100	102 100	171 100	136 100	95 100	56 100	90 100	146 100	182 100	106 100	44 100	149 100
Unweighted Total	503	160	166	143	233	251	80	22	19	373	17	35	69	83	76	95	109	96	171	128	95	48	82	130	179	110	47	157
A high priority for me	203 39%	75 47%	49 29%	67 44%	82 34%	114 45%	55 52%	13 31%	14 58%	127 37%	6 32%	17 40%	35 35%	36 46%	30 39%	36 47%	39 39%	43 42%	85 50%	43 32%	29 30%	21 38%	33 37%	54 37%	80 44%	40 37%	10 23%	49 33%
A medium priority	185 36%	55 35%	57 33%	60 39%	81 33%	96 38%	31 30%	18 43%	6 23%	128 37%	4 19%	11 26%	50 49%	25 32%	24 32%	23 29%	35 35%	32 31%	52 31%	57 42%	39 41%	18 32%	34 37%	51 35%	70 38%	34 33%	15 35%	50 33%
TOP 2 (High + Medium)	388 75%	130 82%	105 62%	127 83%	163 67%	210 82%	86 82%	31 73%	20 81%	255 73%	10 51%	28 66%	85 84%	61 79%	54 71%	59 76%	74 74%	75 74%	137 80%	100 74%	68 72%	39 70%	66 74%	106 72%	150 82%	74 70%	25 57%	99 66%
A low priority	82 16%	20 13%	41 24%	19 12%	48 20%	31 12%	13 12%	9 22%	5 19%	58 17%	8 44%	10 24%	9 9%	11 14%	11 15%	14 17%	17 17%	18 18%	19 11%	27 20%	16 17%	15 27%	14 15%	29 20%	22 12%	19 18%	10 23%	29 20%
Not a priority for me	31 6%	3 2%	17 10%	6 4%	23 10%	6 3%	1 1%	2 4%	-	26 7%	1 5%	1 2%	5 5%	6 8%	6 8%	4 5%	6 6%	3 3%	9 5%	6 4%	10 11%	2 4%	4 5%	6 4%	7 4%	11 12%	5 12%	17 11%
Not sure	17 3%	5 3%	6 4%	1 1%	7 3%	8 3%	5 5%	-	-	9 3%	-	4 8%	1 1%	-	5 7%	1 1%	2 2%	6 5%	6 3%	3 3%	1 1%	-	5 6%	5 4%	4 2%	1 1%	3 7%	4 3%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
2K.Plastics and toxins contaminating human food (Let's look at that list again. For each one, please say whether it is not a priority, a low priority, a medium priority, or a high priority for you.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	517	119	73	112	21	24	168	100	232	71	99	399	161	188	167	159	143	71	22
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	503	110	73	107	21	25	167	96	231	60	102	388	150	180	167	154	141	71	21
A high priority for me	203	30	29	58	7	11	67	44	93	22	41	152	63	90	62	51	83	17	2
	39%	25%	41%	52%	32%	44%	40%	44%	40%	31%	41%	38%	39%	48%	37%	32%	58%	23%	8%
			B	Beg		b	B							oP		RS	S		
A medium priority	185	54	27	27	10	8	59	32	84	31	31	140	65	66	64	55	46	29	6
	36%	45%	38%	24%	49%	33%	35%	32%	36%	44%	32%	35%	40%	35%	38%	35%	32%	40%	26%
		Dg	d	D	D		d												
TOP 2 (High + Medium)	388	84	57	85	17	19	126	76	177	53	72	292	128	156	126	106	129	45	7
	75%	70%	78%	76%	81%	77%	75%	76%	76%	75%	73%	73%	80%	83%	75%	67%	90%	63%	33%
												l	P			RS	S		
A low priority	82	23	10	17	3	5	24	18	33	12	17	66	21	16	25	41	11	20	7
	16%	20%	14%	15%	14%	20%	14%	18%	14%	16%	17%	17%	13%	9%	15%	26%	8%	27%	30%
															n	NO	Q	Q	Q
Not a priority for me	31	8	3	6	1	1	12	3	17	3	7	27	4	8	12	9	1	6	8
	6%	7%	5%	6%	5%	4%	7%	3%	7%	4%	7%	7%	2%	4%	7%	6%	1%	8%	37%
									h			M					Q	QR	QR
Not sure	17	4	2	4	-	-	6	2	5	3	3	13	8	8	4	3	2	1	-
	3%	3%	3%	4%			4%	2%	2%	5%	3%	3%	5%	4%	3%	2%	1%	1%	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
3A.How clean and healthy the water is (Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent and F is failing.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
A (4)	231 25%	74 25%	81 29%	59 22%	114 26%	106 24%	38 21%	15 21%	10 21%	165 27%	8 22%	19 29%	40 25%	27 18%	36 24%	32 23%	61 37%	38 21%	65 22%	74 30%	45 28%	27 30%	38 26%	65 27%	74 21%	42 23%	33 44%	76 30%
			d														MNOP			RS							YZB1 VWX	YZ
B (3)	301 33%	92 31%	100 35%	90 33%	162 37%	128 29%	51 28%	30 42%	17 37%	204 33%	11 30%	15 24%	56 34%	51 34%	48 31%	54 38%	49 30%	55 30%	81 27%	87 35%	70 44%	26 30%	47 32%	73 31%	118 34%	72 40%	22 29%	94 37%
					F											L				s	RSt				a1b1 vx		a1	
TOP 2 (A + B)	531 58%	166 57%	181 64%	149 55%	276 63%	234 53%	89 49%	45 63%	27 58%	369 60%	19 52%	34 53%	95 59%	78 51%	83 55%	87 61%	110 67%	93 50%	146 50%	161 65%	115 72%	54 60%	85 58%	138 58%	191 55%	115 64%	55 73%	170 67%
			bd		F			g		G						n	lNO			RS	RS				y	vwxY	wxY	
C (2)	222 24%	73 25%	61 22%	72 27%	85 20%	127 29%	55 30%	18 25%	12 27%	140 23%	9 26%	21 33%	35 21%	42 28%	39 26%	38 27%	28 17%	55 30%	84 29%	53 22%	21 13%	21 24%	37 25%	58 25%	91 26%	38 21%	11 15%	49 19%
					E		j					Q		Q	q	Q		tu	tu	u			a1	A1	A1B1			
D (1)	78 9%	26 9%	19 7%	30 11%	46 11%	32 7%	18 10%	5 7%	5 10%	54 9%	4 11%	3 4%	14 8%	13 9%	17 11%	9 6%	16 9%	13 7%	33 11%	17 7%	14 9%	10 11%	16 11%	26 11%	32 9%	11 6%	4 5%	14 6%
					f										l					t			a1B1 z					
F (0)	29 3%	13 4%	4 2%	9 3%	6 1%	21 5%	13 7%	-	1 2%	12 2%	1 3%	2 4%	7 4%	10 6%	3 2%	3 2%	1 1%	5 3%	13 4%	5 2%	5 3%	-	-	-	21 6%	3 2%	-	3 1%
			C		E		J					q	opQ												ZB1			
BOTTOM 2 (D + F)	107 12%	39 13%	24 8%	38 14%	52 12%	53 12%	31 17%	5 7%	6 12%	66 11%	5 14%	5 8%	21 13%	23 15%	21 14%	12 8%	17 10%	18 10%	46 16%	22 9%	19 12%	10 11%	16 11%	26 11%	52 15%	14 8%	4 5%	17 7%
			c	C			hj							p					rT					a1	A1B1 Z			
Not sure	55 6%	14 5%	18 6%	11 4%	23 5%	27 6%	8 4%	4 5%	2 3%	40 6%	3 8%	4 6%	11 7%	8 6%	8 5%	6 4%	11 6%	18 10%	18 6%	11 5%	5 3%	5 6%	10 7%	15 6%	12 4%	13 7%	5 7%	19 7%
																		tu							y	y	y	
Mean	2.73	2.68	2.88	2.62	2.80	2.64	2.48	2.82	2.66	2.79	2.60	2.75	2.71	2.50	2.66	2.76	2.99	2.65	2.55	2.88	2.87	2.84	2.78	2.80	2.57	2.84	3.22	2.95
			BD		F					G						N	MNOP			RS	rS	y	y	Y	Y	YZB1 VWX	YZ	

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
3A. How clean and healthy the water is (Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent and F is failing.)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP		DRINK	BOTTLED	WTR	CONCERNED ABOUT		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	===WATER=== Yes	No				Often	Some- times	Seldm /Nevr
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915	223	130	205	37	51	269	175	408	121	182	708	277	353	293	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
A (4)	231	63	25	64	5	12	62	36	105	27	56	206	36	62	80	86	59	46	15
	25%	28%	19%	31%	15%	24%	23%	20%	26%	23%	31%	29%	13%	17%	27%	33%	22%	30%	35%
		ce		CEg							H	M			N	N		q	
B (3)	301	87	41	59	14	18	82	56	150	39	50	263	60	104	108	88	93	46	13
	33%	39%	31%	29%	38%	36%	30%	32%	37%	32%	28%	37%	22%	30%	37%	34%	34%	30%	31%
		Dg							K			M			n				
TOP 2 (A + B)	531	150	66	123	19	30	143	91	255	67	106	470	96	166	188	175	152	92	28
	58%	67%	50%	60%	53%	60%	53%	52%	62%	55%	58%	66%	34%	47%	64%	66%	56%	59%	66%
		CG							H			M			N	N			
C (2)	222	41	40	43	5	10	82	46	91	37	42	153	97	96	68	58	65	39	5
	24%	18%	31%	21%	14%	20%	30%	26%	22%	30%	23%	22%	35%	27%	23%	22%	24%	25%	13%
			BdE				BDE						L				s	s	
D (1)	78	19	14	12	6	5	23	22	28	9	20	37	48	47	20	11	26	14	3
	9%	8%	11%	6%	15%	9%	9%	12%	7%	7%	11%	5%	17%	13%	7%	4%	10%	9%	6%
								i					L	OP					
F (0)	29	-	4	11	3	2	9	9	9	4	5	11	20	21	1	7	7	3	4
	3%		3%	5%	8%	4%	3%	5%	2%	3%	3%	2%	7%	6%	1%	3%	3%	2%	9%
													L	OP	OP	O			
BOTTOM 2 (D + F)	107	19	18	23	9	7	32	30	37	13	25	48	68	68	21	18	33	17	7
	12%	8%	14%	11%	24%	13%	12%	17%	9%	10%	14%	7%	25%	19%	7%	7%	12%	11%	16%
					Bd			Ij					L	OP					
Not sure	55	14	7	17	3	3	12	7	26	5	9	37	16	23	17	13	21	8	2
	6%	6%	5%	8%	9%	7%	4%	4%	6%	4%	5%	5%	6%	7%	6%	5%	8%	5%	6%
Mean	2.73	2.93	2.55	2.81	2.39	2.72	2.64	2.52	2.82	2.67	2.76	2.92	2.16	2.42	2.89	2.94	2.68	2.80	2.80
		CEG		ce					H		h	M			N	N			

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
3B.How it tastes (Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent and F is failing.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915	293	284	271	436	441	183	71	46	614	37	65	161	151	151	143	166	184	294	247	160	89	147	237	347	179	75	255
Unweighted Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
A (4)	224	67	82	54	110	103	31	12	9	165	9	10	36	27	35	39	57	38	65	66	44	25	36	61	68	41	35	76
	24%	23%	29%	20%	25%	23%	17%	16%	20%	27%	24%	16%	22%	18%	23%	28%	35%	21%	22%	27%	27%	28%	24%	26%	19%	23%	46%	30%
			D							Gh						LN	LMNO										YZB1	YZ
B (3)	295	92	92	93	154	129	47	33	13	203	12	22	50	51	52	44	52	48	85	93	63	38	48	86	103	67	22	89
	32%	31%	32%	34%	35%	29%	26%	46%	28%	33%	32%	33%	31%	34%	34%	31%	32%	26%	29%	38%	39%	42%	33%	36%	30%	37%	29%	35%
					f			G		g										RS	RS	ya1			y			
TOP 2 (A + B)	519	158	174	148	264	232	78	45	23	368	21	32	86	78	86	83	110	86	149	159	107	63	84	147	171	108	56	164
	57%	54%	61%	55%	61%	53%	43%	63%	49%	60%	56%	49%	53%	52%	57%	58%	66%	47%	51%	64%	67%	71%	57%	62%	49%	60%	75%	65%
			b		F			G		G						LMNO				RS	RS	WXY		WY		Y	YZB1	YZ
C (2)	209	70	64	60	100	101	53	18	13	125	8	21	32	42	28	31	32	49	75	49	29	11	30	41	100	40	11	52
	23%	24%	23%	22%	23%	23%	29%	26%	28%	20%	21%	32%	20%	28%	19%	22%	19%	27%	26%	20%	18%	12%	20%	17%	29%	23%	15%	20%
							j					moq		oq				u	u					A1B1	VwX	v		
D (1)	97	36	22	38	47	48	27	7	5	66	3	7	27	6	20	17	17	28	30	25	13	9	24	33	38	15	5	20
	11%	12%	8%	14%	11%	11%	15%	9%	10%	11%	9%	11%	17%	4%	13%	12%	10%	15%	10%	10%	8%	10%	16%	14%	11%	8%	7%	8%
		c		C								N		N	N	N		u					A1B1	a1b1				
F (0)	62	22	14	19	15	45	20	2	4	37	3	3	13	18	12	7	3	14	30	6	9	4	7	11	31	8	2	10
	7%	7%	5%	7%	4%	10%	11%	2%	9%	6%	9%	4%	8%	12%	8%	5%	2%	8%	10%	2%	5%	5%	5%	5%	9%	4%	2%	4%
					E		Hj					Q	LPQ	Q				T	TU					A1B1	xZ			
BOTTOM 2 (D + F)	159	58	36	57	63	92	47	8	9	102	7	9	40	24	31	25	21	42	60	31	22	13	31	44	69	22	7	29
	17%	20%	13%	21%	14%	21%	26%	12%	19%	17%	19%	15%	25%	16%	21%	17%	12%	23%	20%	12%	14%	15%	21%	19%	20%	12%	9%	11%
		C		C		E	HJ					nQ		q				TU	Tu				A1B1	A1B1	A1B1			
Not sure	28	7	10	7	10	15	5	-	2	19	2	2	4	7	5	3	3	7	9	7	2	2	3	5	8	9	1	9
	3%	2%	3%	2%	2%	3%	3%		3%	3%	5%	4%	3%	4%	4%	2%	2%	4%	3%	3%	1%	2%	2%	2%	2%	5%	1%	4%
																									a1b1		a1	
Mean	2.59	2.51	2.75	2.48	2.70	2.46	2.24	2.65	2.42	2.66	2.55	2.49	2.44	2.44	2.53	2.65	2.88	2.39	2.44	2.79	2.76	2.81	2.57	2.66	2.41	2.70	3.10	2.82
			BD		F					G							MNOp	L		RS	RS	Y	Y		Y	Y	YZB1	WY
																												WX

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 3B.How it tastes (Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent and F is failing.)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP		DRINK	BOTTLED	WTR	CONCERNED ABOUT		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	===WATER=== Yes	No				Often	Some- times	Seldm /Nevr
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915	223	130	205	37	51	269	175	408	121	182	708	277	353	293	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
A (4)	224	57	26	56	5	16	65	31	102	28	55	214	29	55	78	88	63	44	13
	24%	25%	20%	27%	15%	31%	24%	18%	25%	23%	31%	30%	10%	15%	27%	34%	23%	28%	30%
				e		e			h		H	M			N	No			
B (3)	295	89	41	63	12	14	76	61	142	40	44	257	58	91	108	96	77	48	12
	32%	40%	32%	30%	33%	27%	28%	35%	35%	34%	24%	36%	21%	26%	37%	36%	28%	31%	28%
		dFG						K	K			M			N	N			
TOP 2 (A + B)	519	146	67	119	18	29	141	92	244	68	100	470	87	146	186	184	140	91	24
	57%	65%	51%	58%	48%	57%	52%	52%	60%	57%	55%	66%	31%	41%	63%	70%	51%	59%	58%
		CeG										M			N	N			
C (2)	209	45	35	43	10	11	65	40	98	23	42	150	81	95	63	51	65	40	7
	23%	20%	27%	21%	26%	22%	24%	23%	24%	19%	23%	21%	29%	27%	22%	19%	24%	26%	18%
												L	P	P					
D (1)	97	18	22	19	3	4	29	22	35	16	23	57	49	49	32	16	34	12	2
	11%	8%	17%	9%	8%	9%	11%	13%	9%	13%	13%	8%	18%	14%	11%	6%	12%	8%	4%
			Bd									L	P	P		S			
F (0)	62	5	6	13	5	6	27	15	20	10	15	17	47	46	7	8	24	7	7
	7%	2%	4%	6%	14%	12%	10%	9%	5%	8%	8%	2%	17%	13%	2%	3%	9%	4%	16%
			b	Bc	B	BC						L	OP			r		R	
BOTTOM 2 (D + F)	159	24	28	32	8	10	56	37	55	26	38	74	96	96	39	24	57	19	9
	17%	11%	21%	16%	22%	21%	21%	21%	13%	21%	21%	10%	35%	27%	13%	9%	21%	12%	20%
			B				B	I		i	I		L	OP			R		
Not sure	28	9	1	11	1	-	6	7	12	3	2	14	14	17	6	4	10	5	2
	3%	4%	1%	6%	3%		2%	4%	3%	3%	1%	2%	5%	5%	2%	2%	4%	3%	4%
		c		C				k	k			L	OP						
Mean	2.59	2.81	2.46	2.67	2.27	2.56	2.47	2.42	2.68	2.51	2.57	2.85	1.89	2.17	2.76	2.93	2.46	2.73	2.53
		CEG		eg					H			M			N	No		Q	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
3C.The condition of the pipes coming to your home (Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent and F is failing.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)	
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100	
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266	
A (4)	184 20%	54 18%	68 24%	53 19%	92 21%	84 19%	33 18%	15 22%	5 11%	131 21%	7 19%	14 21%	25 15%	28 18%	30 20%	28 20%	46 28%	33 18%	63 21%	48 19%	34 21%	21 24%	28 19%	49 21%	66 19%	37 20%	23 31%	60 24%	
										i							MNop										Yzb1 wx	z	
B (3)	224 25%	64 22%	76 27%	72 26%	114 26%	103 23%	32 18%	18 25%	13 28%	157 26%	4 12%	16 24%	44 27%	34 22%	35 23%	40 28%	38 23%	43 24%	71 24%	61 25%	43 27%	22 24%	38 25%	59 25%	83 24%	47 26%	21 28%	68 27%	
										k																		GK	
TOP 2 (A + B)	409 45%	118 40%	143 50%	124 46%	206 47%	187 42%	65 36%	33 47%	18 40%	288 47%	11 31%	29 45%	69 43%	61 41%	65 43%	68 47%	84 51%	76 41%	134 46%	109 44%	77 48%	43 48%	65 44%	108 46%	149 43%	84 47%	45 59%	129 50%	
			B							GK							n											Yzb1 wx	yz
C (2)	193 21%	70 24%	59 21%	50 18%	89 20%	97 22%	44 24%	14 20%	11 23%	124 20%	9 23%	13 19%	30 19%	38 25%	34 22%	27 19%	32 19%	44 24%	51 17%	54 22%	36 22%	17 19%	32 22%	49 21%	84 24%	34 19%	13 17%	47 19%	
				C														s							b1				
D (1)	76 8%	24 8%	18 6%	31 12%	42 10%	32 7%	22 12%	7 10%	7 16%	44 7%	2 5%	4 6%	22 14%	12 8%	12 8%	16 11%	4 3%	19 10%	27 9%	19 8%	9 6%	10 11%	9 6%	19 8%	31 9%	10 6%	4 6%	14 6%	
																		Q											
F (0)	38 4%	9 3%	10 4%	14 5%	11 2%	26 6%	15 8%	8 11%	1 2%	21 3%	4 10%	2 4%	12 7%	10 7%	4 3%	2 2%	2 1%	7 4%	16 6%	8 3%	6 4%	5 5%	6 4%	10 4%	15 4%	7 4%	-	7 3%	
						E	ij	ij					oPQ	oPQ															
BOTTOM 2 (D + F)	114 12%	33 11%	28 10%	45 17%	53 12%	59 13%	37 20%	14 20%	8 18%	65 11%	6 15%	6 10%	34 21%	22 15%	16 11%	18 13%	6 4%	26 14%	43 15%	28 11%	15 10%	15 10%	15 10%	29 12%	47 13%	17 10%	4 6%	21 8%	
				bC			j						LopQ	Q	Q	Q			u			A1b1		A1	A1B1				
Not sure	199 22%	72 25%	54 19%	51 19%	88 20%	98 22%	36 20%	9 13%	9 19%	136 22%	11 31%	16 25%	29 18%	29 19%	36 24%	30 21%	43 26%	38 20%	65 22%	55 22%	32 20%	15 17%	36 24%	51 21%	67 19%	44 25%	13 18%	58 23%	
											h						m												
Mean	2.62	2.59	2.75	2.53	2.67	2.54	2.31	2.43	2.38	2.70	2.35	2.71	2.37	2.46	2.65	2.67	3.00	2.53	2.61	2.63	2.70	2.60	2.65	2.63	2.55	2.71	3.03	2.81	
			d							G					m	m	MNOP										YZB1	YZ	
																												VWX	

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 3C.The condition of the pipes coming to your home (Think about the water that comes out of the tap at your home. Please grade it for the following things on an A, B, C, D, F scale like in school, where A is excellent and F is failing.)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP		DRINK	BOTTLED	WTR	CONCERNED ABOUT		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	===WATER=== Yes No					Often	Some- times	Seldm /Nevr
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915	223	130	205	37	51	269	175	408	121	182	708	277	353	293	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
A (4)	184	45	20	42	10	15	53	30	80	17	52	167	27	60	58	63	50	37	13
	20%	20%	15%	20%	27%	29%	20%	17%	20%	14%	29%	24%	10%	17%	20%	24%	18%	24%	31%
						c					HIJ	M				N			
B (3)	224	63	29	42	11	8	72	35	107	35	44	188	52	78	76	70	65	36	7
	25%	28%	22%	20%	30%	15%	27%	20%	26%	29%	24%	27%	19%	22%	26%	27%	24%	23%	17%
		dF			f		F					M							
TOP 2 (A + B)	409	108	49	83	21	22	125	65	187	52	96	355	79	139	134	133	115	73	20
	45%	49%	37%	41%	58%	44%	47%	37%	46%	43%	53%	50%	29%	39%	46%	51%	42%	47%	48%
		c			cd		c		h		H	M				N			
C (2)	193	43	31	39	6	17	56	32	94	23	38	130	87	87	64	42	53	37	11
	21%	19%	24%	19%	17%	34%	21%	18%	23%	19%	21%	18%	32%	25%	22%	16%	19%	24%	27%
						Bdeg							L	P	p				
D (1)	76	19	15	14	2	4	22	20	29	14	12	51	32	35	23	18	36	8	2
	8%	9%	11%	7%	6%	8%	8%	12%	7%	12%	7%	7%	11%	10%	8%	7%	13%	5%	4%
													L				RS		
F (0)	38	3	5	18	2	3	8	11	7	10	10	19	21	17	9	12	7	5	2
	4%	1%	4%	9%	5%	6%	3%	6%	2%	8%	5%	3%	8%	5%	3%	4%	2%	3%	4%
			b	BCG				I		I	I		L						
BOTTOM 2 (D + F)	114	22	19	32	4	7	30	31	36	24	22	70	53	52	32	30	43	14	4
	12%	10%	15%	16%	11%	14%	11%	18%	9%	20%	12%	10%	19%	15%	11%	11%	16%	9%	9%
			b					I		Ik			L				R		
Not sure	199	50	31	50	5	4	58	47	91	22	25	154	58	76	63	58	61	32	7
	22%	22%	24%	25%	15%	9%	22%	27%	22%	18%	14%	22%	21%	21%	21%	22%	22%	20%	17%
		F	F	F			F	jk	K										
Mean	2.62	2.74	2.45	2.48	2.81	2.58	2.67	2.42	2.71	2.35	2.74	2.78	2.14	2.47	2.65	2.75	2.55	2.74	2.79
		CD							HJ		HJ	M			n	N			

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
4. Do you drink the water that comes out of your tap unfiltered, filtered, or not at all?

	==PARTY ID==			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Drink the tap water unfiltered	335 37%	93 32%	115 41%	104 38%	177 41%	144 33%	45 24%	10 14%	9 20%	264 43%	16 45%	14 22%	66 41%	48 32%	55 37%	54 38%	78 47%	53 29%	110 38%	90 36%	72 45%	36 40%	45 31%	82 34%	118 34%	71 40%	39 51%	110 43%
			B		F					GHI	GHI		L		L	L	LNop		r		Rt						Yzb1	wxyz
Drink it filtered	428 47%	134 46%	128 45%	131 48%	210 48%	199 45%	89 49%	50 70%	22 47%	278 45%	16 43%	30 47%	84 52%	70 47%	69 46%	65 45%	62 38%	86 47%	120 41%	125 51%	82 51%	47 53%	79 54%	126 53%	157 45%	81 45%	31 42%	113 44%
								GIJK				Q								S	S		alb1	alb1				
Total Drink It (Unfiltered or Filtered)	708 77%	210 72%	229 80%	215 79%	359 82%	320 72%	125 68%	60 84%	31 68%	496 81%	31 84%	43 66%	132 82%	109 72%	120 79%	110 77%	132 80%	131 71%	216 74%	199 81%	140 87%	75 83%	117 79%	191 81%	256 74%	141 79%	64 85%	205 81%
			B	B	F			Gi	G	Gi	G	Ln	l	l	l	l	l	l	Rs	Rst	y	y	y	y	y	Y	y	
Do not drink it	101 11%	43 15%	23 8%	27 10%	44 10%	51 12%	24 13%	16 23%	9 19%	48 8%	2 5%	8 12%	16 10%	22 15%	13 9%	14 10%	12 7%	25 14%	36 12%	23 9%	13 8%	9 10%	19 13%	28 12%	43 12%	17 10%	2 3%	19 8%
			C			jk	JK	jk	jk	u		Q						u				A1	A1b1	A1b1	A1b1	A1b1	A1	A1
Drink bottled water instead	206 23%	83 28%	56 20%	56 21%	83 19%	118 27%	60 33%	9 13%	14 31%	120 20%	8 23%	27 41%	42 26%	36 24%	32 21%	28 19%	32 19%	55 30%	85 29%	45 18%	16 10%	21 23%	34 23%	55 23%	90 26%	33 18%	12 15%	44 17%
			CD		E	HJ		h				nOPQ	m				TU	TU	U					A1B1	Z			
Total Do Not Drink It (Do not or Bottled)	277 30%	109 37%	75 26%	75 28%	112 26%	154 35%	78 43%	22 31%	20 44%	150 24%	10 28%	33 50%	53 33%	53 35%	41 27%	39 27%	35 21%	74 40%	106 36%	62 25%	26 16%	28 31%	46 31%	74 31%	118 34%	45 25%	13 18%	58 23%
			CD		E	JK		J				nOPQ	M	Q	Q			TU	TU	U		a1	A1b1	A1B1	A1B1	Z		
Not sure	9 1%	2 1%	3 1%	1 1%	4 1%	4 1%	5 3%	-	1 3%	3 *	-	4 6%	-	1 1%	2 1%	-	1 1%	3 2%	1 *	2 1%	-	-	1 1%	1 1%	1 *	2 1%	1 1%	3 1%
												nq																

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 4. Do you drink the water that comes out of your tap unfiltered, filtered, or not at all?

	=====REGION=====							=====COMMUNITY TYPE=====				===DRINK TAP===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich-mond	Hmptn Roads	Rural Tdwtr	South side	Pied/Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Drink the tap water unfiltered	335 37%	85 38% e	49 38% e	74 36% e	8 22%	19 37%	100 37% e	65 37%	152 37%	41 34%	67 37%	335 47% M	26 9%	74 21%	128 44% N	133 50% N	94 34%	59 38%	19 45%
Drink it filtered	428 47%	120 54% CFG	55 42%	97 47%	25 67% CDFG	19 38%	112 42%	76 43%	213 52% hK	60 49% K	65 36%	428 60% M	68 25%	133 38%	162 55% N	130 49% N	135 50%	73 47%	16 39%
Total Drink It (Unfiltered or Filtered)	708 77%	188 84% CFG	96 74%	163 79%	29 79%	36 72%	195 73%	131 75%	337 83% hjk	89 73%	128 70%	708 100%	79 29%	193 55%	269 92% N	242 92% N	213 78%	122 79%	34 80%
Do not drink it	101 11%	19 8%	17 13%	18 9%	9 24% BDg	8 16%	30 11%	15 9%	35 9%	22 18% HI	25 14% i	15 2%	101 36% L	61 17% OP	18 6%	22 8%	31 12%	21 14%	4 9%
Drink bottled water instead	206 23%	40 18%	30 23%	43 21%	9 25%	12 23%	73 27% B	51 29% IK	84 21%	34 28% k	35 19%	66 9%	206 74% L	167 47% OP	30 10% P	9 4%	66 24%	28 18%	9 22%
Total Do Not Drink It (Do not or Bottled)	277 30%	55 24%	43 33% b	52 25%	16 44% BD	17 33%	94 35% BD	61 35% I	105 26%	51 42% IK	54 30%	79 11%	277 100%	203 58% OP	46 16% p	28 11%	87 32%	44 29%	11 27%
Not sure	9 1%	-	-	5 2%	-	1 2%	3 1%	1 1%	1 *%	-	4 2% i	-	-	4 1%	3 1%	1 *%	-	3 2%	1 2%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
5.Do you drink bottled water often, sometimes, seldom, or never?

	==PARTY ID==			=GENDER==			=====RACE/ETHNICITY=====					=====AGE=====					=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Often	353 39%	133 45% cD	106 37%	90 33%	167 38%	173 39%	105 58% HJK	21 29%	24 52% HJ	202 33%	15 41%	27 41%	67 48% q	72 36%	54 37%	53 31%	52 31%	99 54% STU	127 43%	75 30%	39 24%	39 43%	60 41%	99 42%	129 37%	66 37%	24 31%	90 35%
Sometimes	293 32%	82 28%	102 36% b	85 32%	134 31%	146 33%	48 26% I	17 23%	6 14%	213 35% GI	11 30%	20 31%	45 28%	45 30%	53 35%	42 30%	61 37%	55 30%	87 30%	84 34%	57 35%	17 19%	39 27%	56 24%	115 33% VX	63 35% VX	31 41% VWX	94 37% VWX
TOP 2 (Often + Sometimes)	647 71%	215 74% D	207 73% d	176 65%	301 69%	319 72%	153 84% HIJ	37 52%	31 66%	415 68% h	26 71% h	47 72%	111 69%	117 78% Pq	107 71%	95 67%	113 68%	154 84% STU	214 73% TU	159 64%	96 60%	56 62%	100 68%	155 66%	244 70%	129 72%	55 72%	184 72%
Seldom	213 23%	62 21%	62 22%	78 29% Bc	101 23%	107 24%	23 13%	26 36% G	14 30% G	161 26% G	11 29% g	17 26%	36 22%	29 19%	41 27%	38 27% n	41 25%	25 14%	66 23% R	68 27% R	53 33% RS	28 31%	33 22%	60 25%	88 25%	42 23%	17 23%	59 23%
Never	51 6%	15 5%	12 4%	17 6%	30 7% F	15 3%	5 3%	6 9%	2 4%	36 6% G	-	-	14 9% NO	3 2%	4 2%	10 7% No	12 7% NO	3 2%	11 4%	20 8% RS	12 8% R	6 7%	13 9% a1b1 y	19 8% y	15 4%	9 5%	3 4%	11 4%
BOTTOM 2 (Seldom + Never)	263 29%	77 26%	74 26%	95 35% BC	132 30%	122 28%	28 15%	32 45% G	16 34% G	197 32% G	11 29%	17 26%	50 31% n	32 21%	44 29%	48 33% N	53 32% N	28 15%	77 26% R	88 36% RS	65 40% RS	34 38%	46 31%	80 34%	103 30%	50 28%	20 26%	70 28%
Not sure	5 1%	-	3 1%	-	4 1%	-	1 1%	2 3%	-	2 *%	-	1 2%	-	2 1%	-	-	-	1 1%	2 1%	-	-	-	2 1%	2 1%	1 *%	-	1 1%	1 *%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
5.Do you drink bottled water often, sometimes, seldom, or never?

	=====REGION=====						====COMMUNITY TYPE=====				===DRINK TAP===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=			
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes				No	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Often	353 39%	69 31%	56 43% B	82 40% b	15 41%	20 40%	111 41% B	77 44% I	137 34%	51 43%	79 43% I	193 27%	203 73% L	353 100%	-	-	113 41% s	53 34%	12 28%
Sometimes	293 32%	65 29%	39 30%	72 35%	15 42%	16 31%	87 32%	50 29%	134 33%	36 30%	61 33%	269 38% M	46 16%	-	293 100%	-	85 31%	57 37%	16 38%
TOP 2 (Often + Sometimes)	647 71%	134 60%	94 72% B	154 75% B	30 83% B	36 72%	198 74% B	127 72%	271 66%	87 72%	140 77% I	462 65%	249 90% L	353 100%	293 100%	-	198 73%	110 71%	28 67%
Seldom	213 23%	71 32% CDEG	29 23%	40 19%	5 15%	10 21%	57 21%	36 21%	117 29% HJK	25 21%	34 19%	198 28% M	23 8%	-	-	213 81%	63 23%	38 25%	10 24%
Never	51 6%	17 8% e	7 5%	9 4%	1 2%	3 6%	14 5%	12 7%	18 4%	8 6%	8 4%	44 6% M	6 2%	-	-	51 19%	11 4%	7 5%	2 4%
BOTTOM 2 (Seldom + Never)	263 29%	88 40% CDEFG	36 28%	49 24%	6 17%	14 27%	71 26%	48 28%	135 33% K	32 27%	42 23%	242 34% M	28 10%	-	-	263 100%	74 27%	45 29%	12 29%
Not sure	5 1%	1 *%	-	3 2%	-	1 2%	-	-	3 1%	1 1%	-	4 1%	-	-	-	-	1 *%	-	2 4%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
6. Compared to a few years ago, has the amount of bottled water you drink increased, decreased, or stayed about the same?

	===PARTY ID===			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Very Prog	ALL PROG	Mode rate	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Increased	351 38%	125 43%	102 36%	99 37%	176 40%	163 37%	95 52%	29 41%	17 36%	205 33%	7 20%	28 43%	65 40%	70 46%	53 35%	53 37%	53 32%	85 46%	123 42%	90 36%	41 26%	39 44%	56 38%	95 40%	136 39%	65 36%	25 34%	90 35%
Decreased	169 19%	54 18%	53 19%	46 17%	68 16%	94 21%	26 14%	24 34%	16 34%	112 18%	4 12%	14 22%	46 29%	30 20%	28 18%	19 13%	20 12%	16 9%	51 17%	51 21%	45 28%	22 25%	29 20%	52 22%	70 20%	29 16%	8 11%	37 15%
Stayed the same	383 42%	112 38%	129 45%	120 44%	186 43%	179 41%	57 31%	16 22%	14 29%	291 47%	23 62%	21 32%	47 29%	51 34%	66 44%	71 49%	93 56%	79 43%	114 39%	104 42%	72 45%	25 27%	61 41%	86 36%	137 39%	84 47%	42 56%	126 50%
Not sure	12 1%	2 1%	1 **%	5 2%	6 1%	5 1%	5 3%	2 3%	-	6 1%	2 6%	1 2%	3 2%	1 1%	5 3%	-	1 **%	3 2%	6 2%	1 **%	2 1%	3 4%	1 1%	4 2%	4 1%	1 1%	-	1 **%

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 6. Compared to a few years ago, has the amount of bottled water you drink increased, decreased, or stayed about the same?

	=====REGION=====						=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=			
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Increased	351 38%	75 33%	57 44% b	79 38%	15 41%	26 51% Bg	100 37%	85 49% I	132 32%	48 40%	78 43% I	229 32%	171 62% L	220 62% OP	107 36% P	24 9%	108 40%	56 36%	14 33%
Decreased	169 19%	53 24% CF	18 14%	36 18%	7 19%	6 11%	50 19%	24 14%	97 24% HJK	20 17%	26 14%	157 22% M	22 8%	15 4%	56 19% N	96 37% NO	50 18%	27 18%	11 25%
Stayed the same	383 42%	95 43%	53 40%	84 41%	15 40%	18 36%	118 44%	62 35%	177 43% h	49 40%	78 43%	313 44% M	83 30%	114 32%	128 44% N	139 53% NO	112 41%	69 44%	18 42%
Not sure	12 1%	1 *%	3 2%	6 3% BG	-	1 2%	1 *%	4 2%	3 1%	4 3%	-	10 1%	2 1%	5 1%	2 1%	4 2%	2 1%	3 2%	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 7.Sometimes people toss things on the ground when they are not near a trash can. What about you? Do you often,
 sometimes, seldom, or never toss something on the ground when you are done with it?

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate	Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)	
Total	915	293	284	271	436	441	183	71	46	614	37	65	161	151	151	143	166	184	294	247	160	89	147	237	347	179	75	255	
Unweighted Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Often	28	15	5	6	11	14	17	3	4	9	3	1	11	6	3	-	-	10	10	5	2	15	3	19	7	1	1	2	
	3%	5%	2%	2%	3%	3%	10%	4%	8%	2%	7%	2%	7%	4%	2%			tu	u	2%	1%	17%	2%	8%	2%	1%	1%	1%	
		CD					HJ		j			lo										A1B1 WXYZ	A1B1 WYZ						
Sometimes	80	26	33	13	41	36	21	9	9	41	2	14	13	17	6	5	4	22	28	14	11	13	21	14	27	8	6	13	
	9%	9%	11%	5%	9%	8%	11%	13%	20%	7%	5%	22%	8%	11%	4%	4%	2%	12%	9%	6%	7%	15%	14%	14%	8%	4%	7%	5%	
		d	D						Jk			nOPQ M	Q	OPQ				T				ZB1	YZB1	a1B1 YZ					
TOP 2 (Often + Sometimes)	107	41	38	19	52	50	38	12	13	51	5	15	25	23	9	5	4	32	38	19	13	28	24	22	33	9	6	15	
	12%	14%	13%	7%	12%	11%	21%	17%	29%	8%	13%	23%	15%	15%	6%	4%	2%	18%	13%	8%	8%	32%	16%	22%	10%	5%	8%	6%	
		D	D				J		Jk			OPQ	OPQ	OPQ				TU	T			A1B1 WXYZ	a1B1 YZ	A1B1 WYZ	Zb1				
Seldom	106	32	35	33	67	34	33	6	1	59	3	11	9	26	23	12	13	25	31	33	12	5	14	19	51	15	12	27	
	12%	11%	12%	12%	15%	8%	18%	8%	3%	10%	9%	17%	5%	17%	15%	9%	8%	14%	11%	13%	7%	5%	10%	8%	15%	8%	17%	11%	
					F		hIJ		I			M		MPQ	Mpq			u		u					VXZ		xzb1 V	z	
Never	700	220	212	219	316	356	109	53	32	503	27	36	128	102	120	125	148	124	225	195	135	56	109	165	263	156	57	213	
	76%	75%	75%	81%	72%	81%	59%	75%	68%	82%	75%	56%	79%	67%	79%	88%	90%	67%	76%	79%	84%	63%	74%	70%	76%	87%	75%	83%	
				c		E		G		Gi	g		LN	LN	LMNO	LMNO	LMNO		R	R	RS				V	A1B1 VWXYZ	XYA1 VW		
BOTTOM 2 (Seldom + Never)	806	252	247	251	383	390	142	59	33	562	31	47	137	128	143	138	162	149	256	228	147	61	123	184	314	171	69	240	
	88%	86%	87%	93%	88%	88%	78%	83%	71%	92%	84%	73%	85%	85%	94%	96%	98%	81%	87%	92%	92%	68%	84%	78%	90%	95%	92%	94%	
				BC					GI			T	T	LMN	LMN	LMN		r	RS	R		VX	V	VWX	VWXY	Vwx	VWxy		
Not sure	2	-	-	-	1	1	2	-	-	1	1	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	
	2%				1%	1%	1%			1%	1%	4%						1%											

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
7.Sometimes people toss things on the ground when they are not near a trash can. What about you? Do you often, sometimes, seldom, or never toss something on the ground when you are done with it?

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwt	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915	223	130	205	37	51	269	175	408	121	182	708	277	353	293	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Often	28	4	5	10	1	3	5	6	7	6	7	23	12	17	8	3	8	6	2
	3%	2%	4%	5% bg	4%	6%	2%	3%	2%	5%	4%	3%	4%	5% p	3%	1%	3%	4%	4%
Sometimes	80	22	8	11	2	3	33	13	29	25	11	62	34	27	31	18	19	13	6
	9%	10% d	6%	5%	6%	6%	12% CD	8%	7%	21% HIK	6%	9%	12% l	8%	11%	7%	7%	8%	14%
TOP 2 (Often + Sometimes)	107	26	12	21	3	6	39	19	37	31	19	85	45	44	39	20	27	19	8
	12%	12%	9%	10%	9%	12%	14%	11%	9%	26% HIK	10%	12%	16% L	12% p	13% P	8%	10%	12%	18%
Seldom	106	22	23	21	5	10	25	26	45	11	19	73	42	45	40	21	25	22	8
	12%	10%	18% BdG	10%	15%	20% g	9%	15%	11%	9%	10%	10%	15% L	13% p	14% P	8%	9%	14%	18%
Never	700	176	95	161	28	35	206	130	326	78	143	549	188	264	213	222	221	115	27
	76%	79%	73%	79%	76%	68%	76%	74%	80% J	65%	79% J	78% M	68%	75%	73%	84% NO	81% rS	74%	64%
BOTTOM 2 (Seldom + Never)	806	197	118	182	33	45	230	156	372	90	162	623	231	309	253	243	245	136	34
	88%	88%	91%	89%	91%	88%	86%	89% J	91% J	74%	89% J	88% M	83%	88%	86%	92% no	90%	88%	82%
Not sure	2	-	-	2	-	-	-	-	-	-	1	1	1	-	1	-	-	-	-
	*%			1%							1%	*%	*%		*%				

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 8. When you see litter on the ground that someone else has put there, do you often, sometimes, seldom, or never pick it up and throw it away?

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Often	186 20%	61 21%	60 21%	54 20%	86 20%	96 22%	30 16%	15 21%	13 28%	130 21%	12 33%	14 21%	35 22%	32 21%	36 24%	31 21%	29 17%	34 18%	63 21%	56 23%	27 17%	26 30%	27 18%	53 23%	67 19%	33 18%	20 26%	53 21%
Sometimes	437 48%	128 44%	138 49%	139 51%	220 50%	201 46%	78 43%	21 30%	17 38%	315 51%	16 45%	25 39%	76 47%	71 47%	77 51%	71 50%	90 54%	81 44%	143 49%	116 47%	86 53%	29 32%	78 53%	107 45%	167 48%	96 54%	30 40%	127 50%
TOP 2 (Often + Sometimes)	623 68%	189 65%	198 70%	193 71%	307 70%	298 68%	108 59%	36 51%	31 66%	446 73%	29 78%	39 60%	111 69%	103 68%	113 75%	102 71%	118 71%	115 62%	206 70%	172 70%	113 70%	56 62%	105 71%	161 68%	234 67%	129 72%	50 66%	179 70%
Seldom	194 21%	69 24%	59 21%	51 19%	94 22%	89 20%	41 23%	25 36%	12 26%	120 20%	5 13%	16 25%	40 25%	31 21%	27 18%	24 17%	30 18%	44 24%	56 19%	57 23%	32 20%	19 21%	36 24%	54 23%	78 22%	29 16%	18 24%	47 19%
Never	92 10%	32 11%	25 9%	26 10%	34 8%	52 12%	31 17%	8 11%	4 8%	45 7%	3 7%	6 10%	10 6%	16 11%	11 7%	16 11%	18 11%	21 11%	32 11%	19 8%	15 10%	15 17%	5 3%	20 8%	33 10%	12 12%	7 10%	28 11%
BOTTOM 2 (Seldom + Never)	286 31%	102 35%	85 30%	77 29%	128 29%	141 32%	73 40%	33 47%	16 34%	166 27%	7 20%	23 35%	50 31%	47 31%	38 25%	40 28%	47 29%	65 35%	87 30%	75 30%	47 30%	34 38%	40 27%	74 31%	111 32%	50 28%	25 34%	75 30%
Not sure	6 1%	2 1%	2 1%	-	1 *	3 1%	2 1%	2 3%	-	3 *	1 2%	3 5%	-	1 1%	-	1 1%	-	4 2%	1 *	-	-	-	2 1%	2 1%	2 1%	-	-	-

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
8. When you see litter on the ground that someone else has put there, do you often, sometimes, seldom, or never pick it up and throw it away?

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915	223	130	205	37	51	269	175	408	121	182	708	277	353	293	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Often	186	32	24	51	8	12	60	38	75	33	38	156	48	79	56	49	56	26	10
	20%	14%	19%	25% B	21%	23%	22% B	22%	18%	27% i	21%	22% m	17%	22%	19%	19%	21%	17%	23%
Sometimes	437	110	65	85	18	27	132	59	220	57	89	336	134	163	141	134	128	82	16
	48%	49%	50%	41%	50%	54%	49%	34%	54% H	47% H	49% H	47%	48%	46%	48%	51%	47%	53%	38%
TOP 2 (Often + Sometimes)	623	142	90	135	26	39	192	97	295	89	127	492	182	242	197	183	184	108	26
	68%	63%	69%	66%	71%	77% B	71% b	55%	72% H	74% H	70% H	69%	66%	69%	67%	69%	68%	70%	62%
Seldom	194	54	26	42	8	9	56	49	76	21	40	143	68	79	61	52	59	31	6
	21%	24%	20%	20%	21%	17%	21%	28% IJ	19%	18%	22%	20%	24%	22%	21%	20%	22%	20%	15%
Never	92	27	14	27	3	3	18	28	37	8	14	69	27	32	34	26	27	16	9
	10%	12% G	11%	13% FG	8%	6%	7%	16% IJK	9%	7%	8%	10%	10%	9%	12%	10%	10%	10%	21% q
BOTTOM 2 (Seldom + Never)	286	81	41	69	11	12	73	77	113	29	54	212	95	111	95	78	86	47	15
	31%	36% FG	31%	33%	29%	23%	27%	44% IJK	28%	24%	30%	30%	34%	31%	32%	30%	32%	30%	36%
Not sure	6	1	-	1	-	-	4	1	1	2	-	4	1	-	2	3	2	-	1
	1%	*%		1%			1%	1%	*%	2%		1%	*%		1%	1%	1%		2%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 10.what do you think of when you hear the term "marine debris?" (Open-ended. Categorized responses shown.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====					=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	Rate Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	887 100%	283 100%	276 100%	265 100%	422 100%	429 100%	170 100%	69 100%	42 100%	604 100%	37 100%	58 100%	158 100%	149 100%	148 100%	142 100%	162 100%	172 100%	285 100%	243 100%	158 100%	85 100%	144 100%	229 100%	336 100%	178 100%	74 100%	251 100%
Unweighted Total	876	288	273	255	413	428	130	37	36	655	33	50	109	155	146	177	176	166	289	232	162	74	140	214	332	185	77	262
Garbage/Trash/Litter/ Debris in the water	348 39%	117 42%	115 42%	100 38%	171 40%	168 39%	75 44%	19 28%	13 32%	240 40%	15 40%	21 37%	69 44%	61 41%	63 42%	52 36%	64 40%	65 38%	113 40%	96 39%	66 42%	29 34%	45 31%	74 32%	148 44%	70 39%	33 45%	103 41%
Plastic/Ocean plastic/ Bags/Bottles	101 11%	33 12%	31 11%	32 12%	52 12%	48 11%	9 5%	6 9%	-	85 14%	4 11%	4 7%	13 8%	13 9%	20 14%	15 11%	29 18%	4 2%	34 12%	40 16%	22 14%	11 13%	20 14%	32 14%	35 11%	21 12%	9 13%	30 12%
Negative emotions	99 11%	31 11%	35 13%	26 10%	44 11%	49 11%	10 6%	15 21%	6 14%	68 11%	3 9%	5 8%	14 9%	20 14%	16 11%	22 15%	10 6%	22 13%	36 12%	20 8%	17 11%	12 14%	20 14%	32 14%	35 10%	17 10%	6 8%	23 9%
Impact on marine life	67 8%	19 7%	19 7%	23 9%	27 6%	35 8%	12 7%	4 6%	4 10%	44 7%	6 16%	2 4%	16 10%	13 8%	15 10%	8 5%	10 6%	9 5%	21 7%	24 10%	11 7%	7 9%	13 9%	21 9%	27 8%	10 6%	3 4%	13 5%
Pollution/Polluted water	45 5%	14 5%	7 3%	19 7%	21 5%	22 5%	15 9%	5 7%	5 11%	24 4%	-	3 5%	8 5%	10 6%	2 1%	11 7%	8 5%	8 5%	15 5%	9 4%	12 8%	5 6%	6 4%	11 5%	19 6%	10 5%	2 3%	12 5%
Dumping/Boats/Fishing industry	39 4%	7 3%	15 6%	14 5%	17 4%	19 5%	6 4%	-	3 7%	29 5%	1 2%	2 4%	5 3%	4 2%	4 3%	10 7%	13 8%	7 4%	14 5%	12 5%	4 3%	2 2%	6 4%	8 3%	13 4%	11 6%	4 5%	15 6%
Water/Ocean	20 2%	8 3%	5 2%	2 1%	8 2%	11 3%	5 3%	2 3%	1 2%	11 2%	2 6%	4 7%	7 4%	3 2%	1 1%	3 2%	1 1%	8 5%	7 2%	4 2%	-	-	1 *	1 *	9 3%	5 3%	1 1%	6 2%
Dirt/Filth	12 1%	7 2%	4 1%	1 *	5 1%	7 2%	5 3%	-	1 2%	7 1%	-	-	5 3%	1 1%	1 1%	2 1%	3 2%	4 2%	2 1%	3 1%	4 2%	2 2%	4 2%	5 2%	3 1%	2 1%	2 3%	4 2%
Floating island/Garbage patch	12 1%	2 1%	3 1%	6 2%	8 2%	4 1%	-	-	-	11 2%	-	-	3 2%	3 2%	2 1%	-	3 2%	-	4 2%	3 1%	4 3%	2 3%	-	2 1%	5 2%	3 2%	-	3 1%
Other	47 5%	17 6%	13 5%	13 5%	23 5%	25 6%	8 5%	5 7%	3 7%	37 6%	4 11%	3 5%	12 8%	9 6%	9 6%	4 3%	6 4%	9 5%	15 5%	13 5%	10 6%	4 5%	17 12%	21 9%	8 2%	12 7%	3 5%	15 6%
Nothing/Not sure	96 11%	27 10%	28 10%	30 11%	46 11%	42 10%	25 15%	12 18%	6 15%	49 8%	2 5%	14 24%	7 4%	13 9%	16 11%	17 12%	15 9%	37 22%	25 9%	19 8%	7 4%	9 11%	13 9%	22 9%	34 10%	17 10%	10 13%	27 11%

Comparison Groups: BCD/EF/GHIJK/LMNOQP/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
10.what do you think of when you hear the term "marine debris?" (Open-ended. Categorized responses shown.)

	=====REGION=====							====COMMUNITY TYPE=====				===DRINK TAP===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	887 100%	215 100%	128 100%	200 100%	35 100%	48 100%	260 100%	170 100%	398 100%	113 100%	179 100%	691 100%	267 100%	344 100%	286 100%	254 100%	266 100%	150 100%	38 100%
Unweighted Total	876	207	127	192	36	49	265	167	398	102	182	680	257	332	287	255	266	148	38
Garbage/Trash/Litter/ Debris in the water	348 39%	85 40%	62 48% DFg	67 33%	17 49% df	14 30%	102 39%	66 39%	168 42% J	34 30%	71 40%	278 40%	103 39%	143 42%	109 38%	95 37%	104 39%	62 41%	16 41%
Plastic/Ocean plastic/ Bags/Bottles	101 11%	28 13% CF	7 5%	28 14% CF	6 16% f	2 4%	32 12% CF	23 13%	46 11%	12 10%	19 11%	88 13% M	20 7%	31 9%	38 13%	33 13%	35 13%	12 8%	3 9%
Negative emotions	99 11%	26 12%	11 9%	20 10%	3 8%	9 19%	31 12%	15 9%	41 10%	22 19% HIK	18 10%	63 9%	44 16% L	42 12%	26 9%	31 12%	31 12%	19 12% s	2 5%
Impact on marine life	67 8%	17 8%	17 13% fg	16 8%	-	3 6%	15 6%	11 6%	38 10% J	4 3%	13 7%	53 8%	16 6%	26 8%	22 8%	19 8%	27 10%	14 10%	-
Pollution/Polluted water	45 5%	10 4%	4 3%	14 7%	2 5%	1 3%	15 6%	12 7%	19 5%	6 5%	7 4%	36 5%	9 3%	18 5%	13 4%	15 6%	18 7% R	2 1%	1 3%
Dumping/Boats/Fishing industry	39 4%	6 3%	7 5%	10 5%	3 7%	4 9%	9 4%	4 3%	21 5%	4 3%	8 5%	32 5%	11 4%	10 3%	12 4%	17 7% n	8 3%	7 5%	4 9%
Water/Ocean	20 2%	5 2%	3 2%	6 3%	-	1 3%	4 2%	4 3%	5 1%	5 5% i	3 2%	11 2% 2%	12 4% L	12 3% P	7 2% P	1 **	4 1%	2 1%	1 2%
Dirt/Filth	12 1%	3 1%	3 2%	1 **	-	2 4%	4 2%	3 2%	4 1%	2 1%	3 1%	10 1%	2 1%	4 1%	5 2%	3 1%	2 1%	2 1%	1 3%
Floating island/Garbage patch	12 1%	3 1%	1 1%	3 2%	1 2%	-	4 1%	3 2%	7 2%	1 1%	1 **	10 1%	2 1%	4 1%	3 1%	5 2%	6 2%	1 1%	-
Other	47 5%	11 5%	5 4%	10 5%	3 7%	3 6%	16 6%	9 5%	18 5%	11 9%	10 6%	38 6%	15 6%	11 3%	20 7% n	16 6%	10 4%	7 5%	3 7%
Nothing/Not sure	96 11%	22 10%	9 7%	26 13% cE	2 5%	8 17% cE	29 11% e	19 11%	32 8%	14 12%	25 14% I	72 10%	33 12%	42 12% p	32 11%	20 8%	21 8%	22 14% q	8 20% q

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 11. Which words seem more serious to you, or like a bigger problem? Choose up to two.

	===PARTY ID===			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Plastic ocean pollution	436 48%	169 58%	128 45%	111 41%	208 48%	215 49%	93 51%	37 52%	21 46%	280 46%	19 51%	33 51%	65 40%	78 52%	69 45%	76 53%	78 47%	86 47%	147 50%	116 47%	78 49%	46 51%	76 51%	122 51%	154 44%	87 49%	34 45%	121 48%
Plastic pollution	324 35%	108 37%	86 30%	109 40%	160 37%	156 35%	58 32%	32 44%	17 36%	221 36%	17 45%	33 51%	63 39%	52 34%	46 31%	49 35%	60 36%	58 31%	102 35%	96 39%	61 38%	25 28%	61 42%	87 37%	142 41%	57 32%	18 24%	75 30%
Ocean litter	282 31%	84 29%	100 35%	73 27%	129 30%	137 31%	52 28%	23 33%	12 25%	190 31%	5 14%	16 25%	45 28%	45 30%	53 35%	45 32%	53 32%	66 36%	94 32%	77 31%	33 21%	24 27%	37 25%	61 26%	111 32%	61 34%	28 37%	89 35%
Ocean plastics	214 23%	65 22%	66 23%	67 25%	108 25%	96 22%	40 22%	16 22%	16 34%	143 23%	5 15%	14 22%	40 25%	39 26%	45 30%	26 18%	29 18%	45 24%	58 20%	53 22%	50 31%	27 30%	39 26%	66 28%	80 23%	34 19%	17 22%	50 20%
Marine debris	181 20%	52 18%	47 17%	74 27%	90 21%	88 20%	40 22%	15 21%	12 26%	125 20%	9 24%	14 21%	43 27%	29 19%	27 18%	25 17%	33 20%	37 20%	58 20%	48 19%	34 21%	15 17%	27 18%	42 18%	76 22%	38 21%	13 17%	51 20%
Marine litter	171 19%	48 16%	60 21%	50 19%	77 18%	87 20%	39 21%	9 13%	8 16%	117 19%	9 25%	9 14%	37 23%	27 18%	30 20%	25 18%	31 19%	25 13%	61 21%	47 19%	29 18%	17 19%	28 19%	45 19%	56 16%	41 23%	12 16%	53 21%

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
11. Which words seem more serious to you, or like a bigger problem? Choose up to two.

	=====REGION=====							====COMMUNITY TYPE=====				===DRINK TAP WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	=FLOATING Very	TRASH= Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Plastic ocean pollution	436 48%	116 52% C	51 39%	91 44%	20 54%	27 53% c	131 49% c	93 53% i	186 45%	56 47%	89 49%	338 48%	142 51%	175 50%	137 47%	125 47%	143 53% rS	67 43% s	12 28%
Plastic pollution	324 35%	88 39% cef	39 30%	82 40% cef	9 25%	13 26%	92 34%	66 37%	163 40% JK	35 29%	55 30%	251 35%	98 35%	123 35%	108 37%	92 35%	99 36%	59 38%	18 42%
Ocean litter	282 31%	69 31%	41 32%	66 32%	12 32%	19 37%	75 28%	45 26%	129 31%	32 27%	63 35% h	216 30%	82 30%	118 33%	89 30%	72 27%	74 27%	52 34%	9 21%
Ocean plastics	214 23%	60 27%	33 25%	45 22%	9 25%	9 18%	58 22%	56 32% IJK	86 21%	26 22%	40 22%	163 23%	72 26%	91 26%	66 22%	55 21%	65 24%	38 24%	9 22%
Marine debris	181 20%	45 20% d	36 28% Dg	27 13%	7 20%	12 24%	54 20% D	35 20%	78 19%	29 24%	37 20%	138 20%	58 21%	67 19%	56 19%	58 22%	52 19%	35 23%	10 24%
Marine litter	171 19%	26 12%	31 24% B	45 22% B	7 20%	11 22%	51 19% B	31 18%	75 18%	28 23%	31 17%	137 19%	46 17%	63 18%	55 19%	52 20%	49 18%	26 17%	11 25%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
12. Ban single-use plastic grocery and shopping bags and require paper or reusable bags instead (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you str

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	914 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	900	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	273 30%	118 40% CD	63 22%	77 28%	121 28%	142 32%	48 26%	28 40%	16 35%	188 31%	10 27%	13 20%	54 34% I	46 30%	40 26%	44 31%	59 36% Lo	56 31%	90 31%	69 28%	49 30%	38 42% A1B1 YZ	69 47% A1B1 YZ	107 45% A1B1 YZ	93 27%	38 21%	16 21%	54 21%
Somewhat favor	285 31%	107 36% C	76 27%	82 30%	122 28%	152 35% E	52 28%	26 37%	13 29%	189 31%	14 37%	17 27%	42 26%	52 35%	47 31%	39 27%	63 38% MP	51 28%	87 30%	89 36% r	50 31%	21 24%	45 30%	66 28%	128 37% A1B1 VX	55 31%	19 25%	74 29%
TOTAL FAVOR	558 61%	224 77% CD	139 49%	159 59% C	243 56%	294 67% E	99 54%	55 77% GJ	30 64%	377 61%	23 64%	30 47%	96 60%	98 65% L	87 57%	83 58%	122 74% MnOP L	108 59%	177 60%	159 64%	99 62%	59 66% A1B1 Z	114 77% A1B1 vxyz	173 73% A1B1 vYZ	221 64% A1B1 Z	93 52%	35 46%	127 50%
Neutral (or not sure)	166 18%	37 13%	58 20% B	54 20% B	89 20% f	70 16%	41 22% k	9 13%	9 19%	106 17%	4 12%	15 23% q	25 15%	26 18%	31 20% Q	32 22% Q	19 12%	33 18%	61 21%	39 16%	27 17%	16 18%	17 12%	33 14%	63 18% w	36 20% wx	12 16%	49 19% w
Somewhat oppose	112 12%	14 5%	59 21% BD	31 11% B	60 14%	48 11%	23 13% h	4 5%	6 13%	82 13% H	3 7%	13 20% Q	27 17% Q	16 10%	21 14% q	15 11%	12 7%	32 17% S	28 9%	29 12%	21 13%	10 11%	13 9%	23 10%	35 10%	27 15% wx	17 23% vwxy	44 17% wxy
Strongly oppose	78 9%	17 6%	28 10% b	27 10% b	44 10% f	29 7%	20 11% i	4 5%	2 4%	49 8%	6 17% hi	7 10%	13 8%	11 7%	13 9%	13 9%	12 7%	12 6%	28 10%	20 8%	14 9%	5 5%	4 3%	9 4%	27 8% WX	23 13% VWXY	12 15% VWXY	35 14% VWXY
TOTAL OPPOSE	190 21%	31 11%	88 31% BD	57 21% B	104 24% F	77 18%	43 23% H	7 10%	8 17%	131 21% H	9 25% h	19 30% nQ	40 25% Q	27 18%	34 23% q	28 20%	25 15%	44 24%	56 19%	49 20%	35 22%	15 16%	17 11%	31 13%	62 18% W	50 28% VWXY	29 38% VWXY	79 31% VWXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
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Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 12. Ban single-use plastic grocery and shopping bags and require paper or reusable bags instead (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you str

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	914 100	223 100	130 100	205 100	37 100	51 100	268 100	175 100	408 100	121 100	182 100	707 100	277 100	353 100	292 100	263 100	272 100	155 100	42 100
Unweighted Total	900	214	129	196	37	52	272	172	407	108	185	695	265	340	294	262	272	153	41
Strongly favor	273 30%	73 32%	42 32%	54 26%	12 33%	14 28%	80 30%	60 34%	124 30%	30 25%	53 29%	210 30%	82 29%	107 30%	76 26%	88 34%	105 38%	33 21%	9 22%
Somewhat favor	285 31%	78 35%	39 30%	66 32%	12 32%	15 29%	75 28%	54 31%	140 34%	36 30%	47 26%	220 31%	94 34%	109 31%	94 32%	80 30%	88 32%	56 36%	6 14%
TOTAL FAVOR	558 61%	151 68%	81 62%	119 58%	24 64%	29 56%	155 58%	113 65%	264 65%	66 55%	100 55%	430 61%	176 63%	217 61%	170 58%	168 64%	192 71%	89 57%	15 36%
Neutral (or not sure)	166 18%	26 11%	26 20%	42 21%	10 28%	9 18%	53 20%	24 14%	70 17%	26 21%	40 22%	128 18%	54 19%	72 20%	51 18%	40 15%	49 18%	31 20%	3 8%
Somewhat oppose	112 12%	32 14%	8 6%	24 12%	1 3%	8 15%	39 15%	23 13%	40 10%	19 16%	26 15%	83 12%	31 11%	39 11%	40 14%	33 12%	16 6%	22 14%	7 17%
Strongly oppose	78 9%	15 7%	15 12%	20 10%	2 5%	5 10%	21 8%	15 8%	35 9%	10 8%	16 9%	67 9%	17 6%	25 7%	31 11%	23 9%	14 5%	13 8%	16 39%
TOTAL OPPOSE	190 21%	47 21%	24 18%	44 21%	3 8%	13 25%	60 23%	38 21%	75 18%	28 24%	42 23%	150 21%	48 17%	64 18%	71 24%	55 21%	31 11%	35 23%	24 56%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
13. Place a 5-cent fee on single-use plastic bags to discourage their use (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor it, somewhat oppose it, or strongly oppose it.)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	213 23%	98 34% CD	34 12%	67 25% C	91 21%	113 26%	42 23%	25 36% j	15 33%	135 22%	9 24%	14 22%	45 28%	36 24%	32 21%	33 23%	36 22%	38 21%	62 21%	62 25%	41 26%	34 38% A1B1 YZ	64 43% A1B1 YZ	98 41% A1B1 YZ	74 21% A1B1 Z	19 11%	7 9%	25 10%
Somewhat favor	225 25%	79 27% C	59 21%	67 25%	99 23%	120 27%	39 22%	16 23%	8 16%	161 26%	6 16%	17 26%	38 23%	39 26%	41 27%	34 24%	41 25%	42 23%	62 21%	65 26%	50 31% S	20 22%	41 28%	60 26%	92 27%	40 22%	15 20%	55 22%
TOTAL FAVOR	437 48%	178 61% CD	93 33%	133 49% C	191 44%	233 53% E	81 45%	41 58% k	23 50%	296 48%	15 40%	31 48%	82 51%	75 50%	73 49%	67 47%	77 47%	80 44%	125 42%	127 52% S	91 57% RS	54 60% A1B1 YZ	104 71% A1B1 YZ	158 67% A1B1 YZ	166 48% A1B1 Z	59 33%	21 28%	80 32%
Neutral (or not sure)	183 20%	54 19%	63 22%	50 18%	87 20%	86 19%	51 28% HJ	7 10%	9 19%	108 18%	8 21%	16 24%	23 14%	27 18%	25 17%	33 23% m	34 20%	50 27% TU	69 23% TU	37 15%	19 12%	10 11%	17 12%	28 12% VWXZ	86 25% x	33 18% vwX	17 22% vwx	49 19% vwx
Somewhat oppose	145 16%	39 13%	57 20% B	41 15%	74 17%	66 15%	20 11%	12 17%	7 16%	113 18% Gk	3 8%	13 21%	30 19%	25 16%	24 16%	20 14%	22 14%	27 15%	46 16%	43 17%	26 16%	13 15%	19 13%	32 14%	51 15%	36 20% wx	17 23% wx	53 21% wxy
Strongly oppose	151 16%	22 7%	71 25% BD	47 17% B	84 19% F	57 13%	29 16%	10 15%	7 16%	98 16%	11 31% gHJ	4 7%	26 16% l	24 16% L	28 18% L	23 16% L	32 20% L	26 14%	54 18%	39 16%	24 15%	12 14% WX	6 4%	19 8% w	45 13% wx	52 29% VWXY	20 27% VWXY	72 28% VWXY
TOTAL OPPOSE	295 32%	61 21%	128 45% BD	87 32% B	158 36% F	123 28%	50 27%	23 32%	15 32%	210 34% g	14 39%	18 27%	56 35%	48 32%	52 35%	43 30%	55 33%	53 29%	100 34%	82 33%	50 31%	25 28% wx	26 17%	51 22% w	96 28% W	88 49% VWXY	37 50% VWXY	125 49% VWXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
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Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
13. Place a 5-cent fee on single-use plastic bags to discourage their use (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor it, somewhat oppose it, or strongly oppose it.)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Strongly favor	213 23%	59 26% C	22 17%	54 26% C	7 19%	10 20%	61 23%	45 26%	90 22%	33 27%	37 21%	167 24%	57 21%	76 22%	59 20%	75 28% no	84 31% RS	22 14%	6 14%
Somewhat favor	225 25%	70 31% DeG	37 28%	44 21%	7 19%	11 22%	56 21%	46 26%	108 26%	23 19%	42 23%	179 25%	71 26%	87 25%	66 22%	72 27%	73 27%	49 32% s	7 18%
TOTAL FAVOR	437 48%	128 58% CDEFG	59 45%	97 47%	14 37%	21 42%	118 44%	91 52%	198 49%	56 46%	79 44%	346 49%	129 46%	163 46%	126 43%	147 56% NO	157 58% RS	72 46% s	13 32%
Neutral (or not sure)	183 20%	31 14%	28 21%	56 27% BG	9 24%	11 22%	48 18%	43 25%	76 19%	22 18%	35 19%	127 18%	69 25% L	85 24% P	58 20% p	37 14%	54 20% rs	20 13%	4 10%
Somewhat oppose	145 16%	32 14%	19 15%	29 14%	6 17%	7 14%	51 19%	19 11%	73 18% H	23 19%	28 16%	115 16%	42 15%	51 14%	53 18%	41 15%	32 12%	28 18% q	4 11%
Strongly oppose	151 16%	32 14%	24 19% d	23 11%	8 21%	12 23% d	53 20% D	22 12%	62 15%	20 17%	40 22% Hi	121 17%	38 14%	54 15%	57 19%	39 15%	30 11%	35 23% Q	20 47% QR
TOTAL OPPOSE	295 32%	64 29%	43 33%	51 25%	14 39%	19 37%	104 39% BD	41 23%	135 33% H	43 35% H	68 37% H	236 33%	80 29%	105 30%	110 37% Np	80 30%	62 23%	63 41% Q	24 58% Qr

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
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Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
14.Ban plastic straws (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or st

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	206 23%	98 34% CD	45 16%	50 18%	94 22%	106 24%	43 23%	24 33%	11 25%	132 22%	9 25%	11 18%	32 20%	34 23%	31 20%	34 24%	48 29%	43 24%	68 23%	44 18%	41 26%	33 36%	52 36%	85 36%	76 22%	26 14%	4 5%	30 12% A1
Somewhat favor	220 24%	88 30% Cd	51 18%	63 23%	94 21%	122 28% E	39 21%	23 32%	7 16%	148 24%	8 21%	19 30% o	43 27% o	38 25% o	26 17%	38 27% o	40 24%	40 21%	58 20%	74 30% rS	44 27% s	19 21%	44 30% al	63 27%	86 25%	43 24%	14 18%	57 22%
TOTAL FAVOR	426 47%	186 64% CD	96 34%	112 41% c	188 43%	227 51% E	82 45%	46 65% GIJK	19 41%	280 46%	17 45%	31 47%	75 47%	72 48% o	57 37%	72 51% o	88 53% o	83 45%	126 43%	118 48%	86 53% s	51 57% Z	97 66% YZ	148 62% YZ	162 47% Z	69 38% A1B1	17 23%	86 34% A1
Neutral (or not sure)	231 25%	66 22%	75 26%	67 25%	106 24%	108 25%	51 28%	13 18%	14 31%	147 24%	12 34% h	18 28%	44 27%	34 23%	39 25%	32 22%	35 21%	59 32% u	74 25% u	62 25% u	26 16%	26 29%	29 20%	55 23%	90 26%	38 21%	20 27%	58 23%
Somewhat oppose	123 13%	24 8%	47 17% B	48 18% B	58 13%	62 14%	22 12%	5 7%	3 6%	95 15% HI	3 7%	8 12%	16 10%	20 14%	31 20% M	19 13%	25 15%	18 10%	52 18% RT	28 11%	25 16% r	5 5%	15 10%	20 8%	53 15% VX	32 18% VwX	12 16% Vx	44 17% VwX
Strongly oppose	135 15%	17 6%	65 23% BD	43 16% B	85 20% F	44 10%	27 15%	7 10%	10 22%	91 15%	5 14%	8 12%	26 16%	24 16%	26 17% q	20 14%	17 11%	24 13%	42 14%	39 16%	24 15%	8 9%	7 5%	15 6%	42 12% WX	41 23% VWXY	25 33% YZb1	67 26% VWXY V
TOTAL OPPOSE	258 28%	41 14%	113 40% B	91 34% B	143 33% F	106 24%	50 27%	12 17%	13 28%	186 30% H	8 21%	16 24%	42 26%	44 29%	56 37% ImpQ	39 27%	42 25%	42 23%	93 32% R	67 27%	49 30%	12 14%	22 15%	34 14%	96 28% VWX	73 41% VWXY	38 50% VWXY	111 43% VWXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
14. Ban plastic straws (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor it, are neutral, somewhat oppose it, or st

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Strongly favor	206 23%	52 23%	27 21%	52 25%	7 18%	11 21%	57 21%	51 29% Ik	85 21%	26 22%	39 21%	158 22%	65 24%	97 27% O	48 16%	60 23% o	88 32% RS	19 12%	3 6%
Somewhat favor	220 24%	66 29% CG	26 20%	50 24%	10 28%	11 22%	57 21%	40 23%	106 26%	32 26%	38 21%	178 25%	70 25%	79 22%	73 25%	68 26%	77 28% S	39 25% S	4 11%
TOTAL FAVOR	426 47%	118 53% CG	53 41%	102 50%	17 46%	22 43%	114 42%	91 52% k	191 47%	58 48%	76 42%	336 47%	135 49%	176 50% o	120 41%	128 48% o	165 61% RS	58 38% S	7 17%
Neutral (or not sure)	231 25%	55 25%	31 24%	50 24%	10 29%	11 21%	73 27%	46 26%	98 24%	30 25%	45 25%	167 24%	75 27%	89 25%	84 29% P	55 21%	56 21%	33 21%	11 27%
Somewhat oppose	123 13%	24 11%	21 16%	26 13%	5 13%	11 21% b	37 14%	20 12%	59 14%	15 13%	26 14%	95 13%	36 13%	42 12%	38 13%	42 16%	29 11%	32 20% Q	5 11%
Strongly oppose	135 15%	26 12%	26 20% b	26 13%	4 12%	7 14%	45 17% b	17 10%	61 15% h	18 15%	35 19% H	111 16% M	31 11%	46 13%	51 17%	39 15%	22 8%	33 21% Q	19 45% QR
TOTAL OPPOSE	258 28%	50 23%	46 35% Bd	53 26%	9 25%	18 36% b	82 31% b	37 21%	120 29% H	33 27%	60 33% H	206 29% m	67 24%	88 25%	89 30%	81 31%	51 19%	64 41% Q	24 56% Q

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
15. Ban polystyrene or foam take-out containers (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor it, are neutral,

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	308 34%	125 43% C	60 21%	102 38% C	130 30%	165 37% E	52 28%	33 46% G	18 39%	215 35% g	13 36%	16 24%	53 33%	59 39% L	47 31%	47 33%	63 38% L	51 28%	96 33%	86 35%	65 41% R	47 52% A1B1 YZ	69 47% A1B1 YZ	116 49% A1B1 YZ	124 36% A1B1 Z	31 17%	17 23%	48 19%
Somewhat favor	268 29%	92 31%	92 32%	70 26%	137 31%	125 28%	65 36% h	16 22%	14 30%	176 29%	10 27%	20 31%	49 30%	40 27%	47 31%	46 32%	51 31%	50 27%	93 32%	79 32%	41 25%	24 27%	37 25%	60 26%	109 31%	67 38% vwx	22 29%	89 35% wx
TOTAL FAVOR	577 63%	217 74% CD	153 54%	172 64% C	268 61%	290 66%	117 64%	49 68%	32 68%	391 64%	23 63%	36 55%	102 63%	100 66%	94 62%	93 65%	114 69% l	101 55%	190 65% R	165 67% R	106 66% R	71 79% A1B1 YZ	106 72% A1B1 Z	176 75% A1B1 YZ	233 67% A1B1 Z	98 55%	39 51%	137 54%
Neutral (or not sure)	203 22%	51 18%	69 24% b	61 22%	99 23%	93 21%	39 21%	15 21%	8 17%	133 22%	10 26%	19 30% Q	39 24% q	28 18%	35 23%	33 23% q	26 16%	57 31% STU	63 22%	43 18%	29 18%	16 18%	26 18%	42 18%	69 20%	43 24%	14 19%	58 23%
Somewhat oppose	82 9%	14 5%	39 14% Bd	23 8%	36 8%	41 9%	16 9% k	4 5%	5 11%	56 9% k	1 3%	7 11%	14 9%	13 9%	13 9%	10 7%	14 9%	15 8%	26 9%	26 11%	12 8%	3 3%	12 8% vx	15 6% v	32 9% V	19 11% V	10 13% V	29 11% VX
Strongly oppose	53 6%	10 3%	23 8% B	16 6%	34 8% F	17 4%	10 6%	4 5%	1 3%	34 5%	3 8%	3 4%	7 4%	10 7%	9 6%	8 5%	11 7%	10 6%	14 5%	12 5%	13 8%	-	3 2%	3 1%	13 4% x	18 10% wxy	13 17% wxy	31 12% wxy
TOTAL OPPOSE	135 15%	24 8%	63 22% BD	38 14% B	70 16%	58 13%	27 15%	7 10%	7 14%	90 15%	4 11%	10 15%	21 13%	23 15%	22 15%	17 12%	26 15%	25 14%	40 14%	38 16%	26 16%	3 3%	15 10% VX	18 8% V	45 13% VX	38 21% VWXY	22 30% VWXY	60 24% VWXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 15. Ban polystyrene or foam take-out containers (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor it, are neutral,

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Strongly favor	308 34%	82 37% C	31 24%	71 34% c	15 42% C	15 29%	94 35% C	65 37%	137 33%	37 31%	61 34%	252 36% m	82 30%	111 31%	88 30%	108 41% NO	121 44% RS	26 17%	8 19%
Somewhat favor	268 29%	67 30%	41 32%	66 32%	10 26%	11 22%	73 27%	56 32%	127 31%	31 26%	48 26%	215 30%	80 29%	107 30%	92 31%	69 26%	82 30%	58 37% s	10 24%
TOTAL FAVOR	577 63%	149 67% cF	73 56%	137 67% cf	25 68%	26 51%	167 62%	121 69% Jk	263 64%	68 57%	109 60%	467 66% M	162 58%	217 61%	180 61%	177 67%	203 74% RS	84 54%	18 42%
Neutral (or not sure)	203 22%	48 21%	38 29% e	44 21%	5 15%	12 23%	58 21%	36 20%	82 20%	33 28%	40 22%	140 20%	75 27% L	86 24% P	70 24% p	45 17%	47 17%	42 27% Q	10 23%
Somewhat oppose	82 9%	15 7%	9 7%	19 9%	3 9%	8 16% bc	27 10%	15 8%	36 9%	13 10%	18 10%	58 8%	32 11%	35 10%	22 7%	24 9%	16 6%	21 13% Qs	2 5%
Strongly oppose	53 6%	11 5%	11 8% d	6 3%	3 8%	5 10%	18 7% d	4 2%	27 7% H	6 5%	14 8% H	43 6% m	9 3%	16 4%	21 7%	17 6%	6 2%	8 5%	12 29% QR
TOTAL OPPOSE	135 15%	27 12%	20 15%	25 12%	6 17%	13 26% BD	45 17%	19 11%	63 15%	19 16%	32 18% h	101 14%	41 15%	50 14%	43 15%	41 16%	22 8%	29 19% Q	14 34% Qr

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
16. Charge a 5-cent or 10-cent fee on bottled drinks that you get back when you return the bottles to a store or redemption center (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. F

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	338 37%	132 45% CD	87 31%	92 34%	145 33%	178 40% E	58 32%	32 45%	18 38%	228 37%	16 43%	16 24%	66 41% L	55 36%	51 34%	54 38% I	71 43% L	71 38%	107 36%	90 36%	58 36%	50 56% A1B1 YZ	71 48% A1B1 YZ	121 51% A1B1 YZ	116 33%	51 29%	25 33%	76 30%
Somewhat favor	256 28%	77 26%	79 28%	85 32%	129 30%	119 27%	46 25%	13 19%	12 26%	188 31% hk	6 17%	14 22%	34 21%	41 27%	49 33% M	46 32% M	54 33% M	44 24%	79 27%	77 31%	49 30%	11 12%	31 21%	41 18%	117 34% VWX	60 33% VWX	22 30% VX	82 32% VWX
TOTAL FAVOR	595 65%	208 71% C	167 59%	177 65%	274 63%	297 67%	104 57%	45 64%	30 64%	416 68% G	22 60%	30 46%	100 62% I	96 64%	101 67% L	100 70% L	125 75% LMNO	115 62%	186 64%	167 68%	106 66%	61 68%	101 69%	162 69%	233 67%	111 62%	47 63%	158 62%
Neutral (or not sure)	166 18%	55 19%	52 18%	47 17%	80 18%	81 18%	44 24% hj	9 13%	7 15%	101 16%	6 17%	20 30% Mn	26 16%	27 18%	32 21% Q	21 15%	20 12%	43 24% T	61 21% T	32 13%	26 16%	17 19%	29 19%	46 19%	62 18%	25 14%	13 17%	37 15%
Somewhat oppose	76 8%	17 6%	31 11% B	22 8%	42 10%	30 7%	16 9%	13 18% gj	5 11%	49 8%	4 10%	10 16% OQ	20 12% OQ	16 11% OQ	6 4%	10 7% q	5 3%	11 6%	21 7%	27 11% r	13 8%	7 8%	12 8%	20 8%	28 8%	15 8%	7 9%	22 8%
Strongly oppose	78 9%	13 4%	34 12% B	24 9% B	41 9%	33 8%	19 11%	4 5%	4 10%	48 8%	5 13%	5 8%	16 10%	11 7%	13 9%	12 8%	15 9%	15 8%	25 8%	21 9%	14 9%	4 5%	5 3%	9 4%	23 7% VWXY	29 16% VWXY	9 12% WX	38 15% VWXY
TOTAL OPPOSE	155 17%	30 10%	66 23% Bd	46 17% B	82 19% f	63 14%	35 19%	17 24%	9 20%	97 16%	9 23%	15 23% oq	35 22% oq	28 18%	19 12%	22 16%	21 13%	26 14%	46 16%	48 19%	28 17%	11 13%	17 12%	29 12%	51 15% VWXY	44 24% VWXY	16 21% wx	59 23% VWXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 16. Charge a 5-cent or 10-cent fee on bottled drinks that you get back when you return the bottles to a store or redemption center (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. F

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Strongly favor	338 37%	72 32%	46 35%	83 40%	12 34%	20 39%	106 39%	66 38%	140 34%	49 41%	71 39%	262 37%	99 36%	136 38%	97 33%	103 39%	122 45%	40 26%	10 23%
Somewhat favor	256 28%	74 33% G	36 28%	52 26%	16 43% dG	13 26%	65 24%	47 27% J	131 32% J	18 15%	54 30% J	211 30% m	69 25%	88 25%	95 32% n	73 28%	66 24%	51 33% qs	8 19%
TOTAL FAVOR	595 65%	146 65%	82 63%	135 66%	28 76% g	33 65%	171 63%	113 64%	271 66% j	67 55%	125 69% J	473 67% m	168 60%	224 63%	192 65%	177 67%	188 69% RS	91 59% s	18 42%
Neutral (or not sure)	166 18%	34 15%	21 16%	44 21% e	4 10%	10 20%	54 20% e	37 21%	68 17%	30 25% K	26 14%	123 17%	62 22% l	66 19%	53 18%	45 17%	46 17%	33 21%	7 16%
Somewhat oppose	76 8%	23 10% d	14 11%	12 6%	3 9%	3 7%	21 8%	11 6%	32 8%	16 14% Hi	15 8%	50 7%	29 10% l	31 9%	20 7%	24 9%	20 7%	9 6%	7 17% r
Strongly oppose	78 9%	20 9%	14 11%	15 7%	2 4%	4 9%	24 9%	15 9%	37 9%	8 6%	16 9%	63 9%	19 7%	32 9%	29 10%	17 7%	19 7%	21 14% Q	11 25% Q
TOTAL OPPOSE	155 17%	44 20% d	28 21% d	27 13%	5 13%	8 15%	44 17%	26 15%	69 17%	24 20%	30 17%	113 16%	47 17%	63 18%	49 17%	42 16%	38 14%	31 20%	18 42% QR

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 17. Charge a 50-cent-fee on each pack of cigarettes to help pay the cost of cleaning up littered cigarette butts (People
 have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For
 each idea, plea

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	403 44%	154 53% CD	109 38%	109 40%	172 39%	214 48% E	79 43%	28 39%	21 46%	276 45%	16 45%	25 39%	74 46%	59 39%	66 44%	61 43%	86 52% Inp	73 39%	125 42%	110 45%	82 51% Rs	48 54% Yzb1	88 60% A1B1 YZ	137 58% A1B1 YZ	134 39%	73 41%	31 41%	104 41%
Somewhat favor	184 20%	71 24% C	46 16%	56 21%	86 20%	94 21%	38 21% K	20 27% K	10 21% K	118 19% K	2 5%	14 22%	33 20%	36 24%	25 17%	30 21%	35 21%	33 18%	50 17%	58 24% s	38 24%	13 15%	26 18%	40 17%	85 24% XZB1 v	30 17%	13 18%	44 17%
TOTAL FAVOR	587 64%	225 77% CD	155 55%	165 61%	257 59%	308 70% E	117 64%	47 66%	31 67%	394 64%	18 50%	39 61%	106 66%	95 63%	91 60%	91 64%	122 74% Inop	105 57%	174 59%	168 68% RS	120 75% RS	62 69% zb1	115 78% A1B1 YZ	177 75% A1B1 YZ	219 63%	103 58%	45 59%	148 58%
Neutral (or not sure)	151 16%	38 13%	50 18%	45 17%	77 18%	68 15%	31 17%	14 20%	9 19%	97 16%	8 21%	19 30% NOPQ m	26 16%	24 16%	27 18%	17 12%	19 11%	43 23% TU	54 19% tU	31 13%	17 10%	15 17%	14 10%	30 12%	62 18% wxA1	31 17% a1b1 w	7 10%	38 15% a1
Somewhat oppose	71 8%	11 4%	33 12% B	24 9% B	37 9%	30 7%	16 9%	4 6%	4 9%	49 8%	3 9%	5 7%	14 8%	11 7%	11 7%	13 9%	9 6%	16 9%	27 9%	18 7%	9 6%	5 6%	10 7%	15 6%	29 8%	15 8%	8 11%	23 9%
Strongly oppose	106 12%	18 6%	46 16% B	37 14% B	65 15% F	35 8%	20 11%	5 7%	3 6%	74 12% i	7 19%	1 2%	16 10% L	21 14% L	23 15% L	22 15% Lq	16 9% L	20 11%	38 13%	29 12%	15 9%	7 8%	8 6%	15 7%	37 11% wx	30 17% VwXy	15 20% VwXY	46 18% VwXY
TOTAL OPPOSE	178 19%	30 10%	79 28% B	60 22% B	102 23% F	65 15%	36 19%	10 14%	7 14%	123 20%	11 29% h	6 9%	29 18% l	32 21% L	33 22% L	35 25% LQ	25 15%	36 19%	65 22% u	47 19%	24 15%	12 14%	18 12%	31 13%	66 19% wx	45 25% VwX	24 31% VwXY	69 27% VwXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 17. Charge a 50-cent-fee on each pack of cigarettes to help pay the cost of cleaning up littered cigarette butts (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Strongly favor	403 44%	96 43%	55 42%	96 47% F	18 48%	16 31%	123 46% F	79 45%	191 47%	50 41%	72 40%	314 44%	119 43%	174 49% O	111 38%	117 44%	147 54% RS	61 40% S	5 12%
Somewhat favor	184 20%	63 28% CDefG	22 17%	38 18%	6 16%	9 18%	45 17%	39 22% j	94 23% JK	17 14%	29 16%	155 22% m	48 17%	60 17%	72 24% N	52 20%	56 21%	34 22%	9 21%
TOTAL FAVOR	587 64%	160 71% CFG	77 59%	133 65% F	23 64%	25 49%	168 63% f	118 67% jK	284 70% JK	67 55%	101 56%	469 66% m	167 60%	234 66%	183 62%	169 64%	203 75% RS	95 61% S	14 33%
Neutral (or not sure)	151 16%	25 11%	23 17%	39 19% B	6 16%	13 25% B	45 17% b	30 17%	50 12%	26 21% I	39 21% I	107 15%	56 20% l	59 17%	50 17%	40 15%	36 13%	23 15%	7 16%
Somewhat oppose	71 8%	18 8%	9 7%	18 9%	2 6%	3 7%	21 8%	11 6%	29 7%	15 13% h	14 8%	56 8%	19 7%	24 7%	25 9%	21 8%	16 6%	15 10%	6 14%
Strongly oppose	106 12%	21 10%	21 16% bd	15 7%	5 15%	10 19% D	34 13% D	16 9%	45 11%	13 11%	28 15% h	76 11%	35 13%	37 10%	36 12%	33 13%	17 6%	22 14% Q	16 38% QR
TOTAL OPPOSE	178 19%	39 17%	30 23%	33 16%	8 21%	13 25%	55 21%	27 16%	74 18%	28 23%	42 23% h	132 19%	54 20%	61 17%	61 21%	55 21%	33 12%	37 24% Q	21 51% QR

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 18. Require manufacturers to use less plastic in product packaging (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	411 45%	157 54% C	85 30%	138 51% C	179 41%	218 49% E	71 39%	38 54% g	22 48%	282 46%	19 53%	24 36%	81 50% l	76 50% lp	65 43%	58 40%	84 51% lp	71 38%	129 44%	114 46%	87 54% RS	62 69% A1B1 WXYZ	78 53% A1B1 YZ	140 59% A1B1 WYZ	154 44% A1B1	69 38% A1B1	15 20%	84 33% A1
Somewhat favor	282 31%	83 28%	110 39% BD	73 27%	138 32%	133 30%	58 32%	17 24%	16 34%	198 32%	8 21%	16 25%	51 32%	41 27%	48 32%	48 33%	53 32%	60 32%	85 29%	84 34%	45 28%	21 23%	44 30%	64 27%	114 33% v	60 33% v	28 37% v	87 34% v
TOTAL FAVOR	693 76%	241 82% C	195 69%	211 78% C	317 73%	351 80% E	129 71%	55 77%	38 82%	481 78% g	27 74%	39 61%	133 82% Lp	117 77% L	113 75% l	105 74% l	138 83% LoP	130 71%	214 73%	198 80% Rs	132 82% RS	82 92% A1B1 WXYZ	122 83% A1B1 Z	205 86% A1B1 WYZ	268 77% A1B1	128 72% A1B1	43 57%	172 67% A1
Neutral (or not sure)	153 17%	36 12%	62 22% BD	37 14%	74 17%	72 16%	37 20%	9 12%	8 18%	92 15%	6 15%	19 30% nOpQ M	22 13%	25 16%	23 15%	25 17% q	19 11%	45 24% TU	59 20% TU	32 13% u	11 7%	5 6%	14 9%	19 8%	65 19% VWX	30 17% VWX	18 23% VWX	48 19% VWX
Somewhat oppose	34 4%	10 3%	13 5%	11 4%	19 4%	13 3%	11 6%	2 3%	-	20 3%	2 5%	2 3%	3 2%	3 2%	11 8% MNQ	7 5%	4 2%	6 3%	10 3%	10 4%	8 5%	2 2%	7 5%	9 4%	9 2%	8 10% VXY	7 10% VY	15 6% VY
Strongly oppose	35 4%	6 2%	14 5% b	12 5% b	26 6% F	5 1%	6 3%	6 8%	-	21 3%	2 6%	4 7%	4 2%	7 4%	4 2%	6 4%	5 3%	3 2%	11 4%	8 3%	10 6% R	-	4 3%	4 2%	6 2% wXY	13 7% wXY	7 10% wXY	20 8% wXY
TOTAL OPPOSE	69 8%	16 5%	27 9% b	23 8% b	46 11% F	18 4%	17 9%	7 10%	-	41 7%	4 11%	6 9%	7 4%	9 6%	15 10% m	12 9%	9 6%	9 5%	21 7%	18 7%	18 11% R	2 2%	11 8% VX	13 5% V	15 4% VXY	21 12% VXY	15 19% VWXY	35 14% VWXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 18. Require manufacturers to use less plastic in product packaging (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For each idea, please say if you strongly favor it, somewhat favor

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Strongly favor	411 45%	108 48%	53 41%	94 46%	17 45%	22 43%	118 44%	84 48%	192 47%	45 37%	80 44%	318 45%	117 42%	170 48%	111 38%	128 49%	167 61%	44 28%	9 22%
Somewhat favor	282 31%	66 30%	35 27%	59 29%	18 49%	13 26%	91 34%	48 28%	125 31%	40 33%	60 33%	222 31%	90 32%	106 30%	105 36%	72 27%	70 26%	63 41%	10 24%
TOTAL FAVOR	693 76%	174 78%	88 68%	153 74%	35 94%	35 68%	209 78%	133 76%	317 78%	85 70%	139 77%	540 76%	207 75%	275 78%	216 74%	200 76%	237 87%	107 69%	20 47%
Neutral (or not sure)	153 17%	35 16%	27 21%	40 19%	-	10 20%	41 15%	28 16%	64 16%	26 21%	27 15%	113 16%	54 20%	57 16%	53 18%	39 15%	26 9%	39 25%	12 29%
Somewhat oppose	34 4%	6 3%	9 7%	5 2%	1 3%	3 6%	9 3%	10 6%	10 3%	4 3%	10 5%	23 3%	11 4%	13 4%	9 3%	12 5%	5 2%	5 3%	5 11%
Strongly oppose	35 4%	8 4%	5 4%	7 4%	1 2%	3 6%	10 4%	5 3%	17 4%	6 5%	5 3%	33 5%	5 2%	8 2%	15 5%	11 4%	5 2%	4 3%	6 13%
TOTAL OPPOSE	69 8%	15 6%	15 11%	12 6%	2 6%	6 12%	19 7%	15 9%	27 7%	10 8%	15 8%	56 8%	16 6%	21 6%	24 8%	24 9%	10 4%	9 6%	10 25%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
19. Require manufacturers to help pay for recycling pick-up and processing in local communities, reducing burden on taxpayers (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For ea

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	901	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Strongly favor	364 40%	152 52% CD	77 27%	115 43% C	153 35%	198 45% E	85 46% j	34 48%	27 57% j	230 37%	18 48%	26 41%	76 47% q	67 44%	59 39%	53 37%	59 36%	69 37%	128 44% t	88 36%	68 42%	57 64% A1B1 YZ	82 56% A1B1 YZ	139 59% A1B1 YZ	128 37% A1B1	61 34% A1B1	11 15%	72 28% A1
Somewhat favor	284 31%	94 32%	87 31%	85 31%	137 31%	139 31%	55 30%	25 35%	10 21%	192 31%	9 24%	15 23%	50 31%	48 32%	47 31%	45 32%	58 35% l	53 29%	88 30%	88 36%	49 31%	18 21%	43 29%	61 26%	116 33% Vx	52 29%	28 38% Vx	81 32% v
TOTAL FAVOR	648 71%	246 84% CD	164 58%	200 74% C	290 66%	337 76% E	140 77% j	59 83% j	36 78% j	422 69%	27 72%	41 63%	126 78% l	115 76% l	106 70%	99 69%	117 71%	121 66%	216 74%	176 71%	117 73%	76 85% A1B1 YZ	125 85% A1B1 YZ	200 85% A1B1 YZ	244 70% A1B1	113 63%	40 53%	153 60%
Neutral (or not sure)	155 17%	37 13%	60 21% BD	39 14%	69 16%	77 18%	30 16%	7 9%	7 15%	107 17% h	5 14%	16 24%	22 14%	25 16%	24 16%	24 17%	25 15%	44 24% stU	46 16%	38 16%	20 12%	13 14%	15 10%	28 12%	68 20% Wx	29 16%	15 20% w	44 17% Wx
Somewhat oppose	53 6%	4 1%	29 10% BD	14 5% B	35 8% F	14 3%	7 4%	4 5%	2 5%	39 6%	2 5%	5 7%	7 4%	4 3%	11 7% n	10 7% n	9 6%	12 7%	13 4%	16 6%	11 7%	-	5 3%	5 2%	20 6% X	16 9% Wx	7 10% Wx	23 9% Wx
Strongly oppose	59 6%	5 2%	31 11% Bd	18 7% B	43 10% F	13 3%	6 3%	2 3%	1 2%	45 7% Gi	3 9%	3 5%	7 4%	7 5%	11 7%	10 7%	15 9%	7 4%	19 6%	17 7%	13 8% r	1 1%	3 2%	3 1%	15 4% vx	22 12% VwXY	13 17% VwXY	35 14% VwXY
TOTAL OPPOSE	112 12%	10 3%	60 21% BD	32 12% B	77 18% F	27 6%	13 7%	6 8%	3 7%	84 14% G	5 14%	8 12%	14 8%	11 8%	22 14% n	20 14% n	24 14% N	19 10%	31 11%	32 13%	24 15%	1 1%	8 5% vx	9 4% v	35 10% VwX	37 21% VwXY	20 27% VwXY	58 23% VwXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
19. Require manufacturers to help pay for recycling pick-up and processing in local communities, reducing burden on taxpayers (People have proposed some policies that would reduce the amount of plastic that ends up in our environment and the ocean. For ea

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100	223 100	130 100	205 100	37 100	51 100	269 100	175 100	408 100	121 100	182 100	708 100	277 100	353 100	293 100	263 100	272 100	155 100	42 100
Unweighted Total	901	214	129	196	37	52	273	172	407	108	185	696	265	340	295	262	272	153	41
Strongly favor	364 40%	82 37%	41 32%	87 42% c	15 41%	22 43%	117 44% c	76 43%	164 40%	41 34%	75 41%	269 38%	115 41%	170 48% o	85 29%	108 41% o	139 51% RS	39 25%	9 21%
Somewhat favor	284 31%	79 35% d	51 39% DG	54 26%	11 31%	14 27%	75 28%	54 31%	129 32%	38 31%	55 30%	229 32%	94 34%	99 28%	121 41% NP	64 24%	75 28%	64 42% QS	9 23%
TOTAL FAVOR	648 71%	161 72%	92 71%	141 69%	27 73%	36 71%	193 72%	131 75%	293 72%	79 66%	130 71%	497 70%	208 75%	269 76% oP	205 70%	173 65%	214 79% RS	104 67% S	18 43%
Neutral (or not sure)	155 17%	35 15%	21 16%	39 19%	4 10%	8 16%	50 19%	27 15%	61 15%	32 26% HIK	26 14%	115 16%	48 17%	55 16%	47 16%	49 19%	39 14%	28 18%	7 18%
Somewhat oppose	53 6%	13 6%	7 5%	15 7%	2 5%	2 4%	14 5%	9 5%	26 6% J	3 2%	13 7% J	46 7% M	10 3%	16 5%	13 4%	24 9% NO	11 4%	12 7%	4 9%
Strongly oppose	59 6%	15 7%	11 8%	11 5%	5 12%	5 10%	12 5%	8 5%	29 7%	7 6%	13 7%	50 7% M	11 4%	13 4%	28 10% N	18 7%	7 3%	12 8% Q	13 30% QR
TOTAL OPPOSE	112 12%	28 13%	18 14%	26 13%	6 18%	7 14%	27 10%	17 10%	55 13%	10 8%	26 14% J	96 14% M	21 7%	29 8%	41 14% N	42 16% N	19 7%	24 15% Q	16 39% QR

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 20. Use a refillable water bottle or drink filtered tap water instead of buying disposable plastic water bottles (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment an

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	913 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	899	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Very likely	476 52%	153 52%	135 48%	154 57% C	209 48%	251 57% E	81 44%	40 56%	30 65% G	332 54% G	25 68% Gj	30 46%	103 64% LoPQ	90 59% lPQ	80 53%	67 47%	76 46%	85 46%	152 52%	134 54%	92 57% R	60 67% A1B1 WXYZ	81 55% b1	140 59% A1B1 WZ	182 52%	82 46%	34 46%	117 46%
Somewhat likely	279 31%	87 30%	90 32%	83 31%	147 34% f	122 28%	65 36% IK	24 34% k	10 21%	182 30% k	6 17%	23 36%	42 26%	39 26%	48 32%	48 34%	55 33%	58 32%	93 32%	78 32%	41 25%	17 19%	40 27%	57 24%	113 33% VX	62 35% VX	26 34% V	88 35% VX
TOP 2 (Very + Somewhat)	755 83%	241 82%	225 79%	238 88% bc	356 82%	373 85%	146 80%	64 90% g	40 85%	514 84%	31 86%	53 82%	145 90% PQ	129 86%	128 85%	116 81%	131 79%	143 78%	245 83%	213 86% R	133 83%	77 86%	121 82%	198 84%	295 85%	145 81%	60 80%	205 80%
Not likely	107 12%	37 13% D	44 15% D	20 7%	52 12%	50 11%	27 15% k	5 8%	6 13%	66 11%	2 6%	6 10%	11 7%	15 10%	19 12%	19 13% m	23 14% M	26 14%	37 13%	24 10%	16 10%	7 8%	20 14%	27 12%	37 11%	23 13%	12 15%	34 14%
Does not apply to me	28 3%	10 3%	9 3%	8 3%	19 4% f	9 2%	5 2%	2 2%	1 2%	19 3%	3 8%	3 5%	3 2%	3 2%	4 2%	5 3%	6 4%	6 3%	6 2%	6 3%	8 5%	2 2%	4 3%	7 3%	10 3%	8 4%	2 2%	10 4%
Not sure	22 2%	5 2%	6 2%	5 2%	10 2%	10 2%	5 3%	-	-	14 2%	-	2 4%	3 2%	4 2%	1 1%	3 2%	5 3% o	9 5%	6 2%	4 2%	3 2%	3 3%	2 1%	5 2%	5 1%	4 2%	2 2%	6 2%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
20. Use a refillable water bottle or drink filtered tap water instead of buying disposable plastic water bottles (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment an

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	913 100	222 100	130 100	205 100	37 100	51 100	268 100	175 100	408 100	121 100	182 100	706 100	277 100	353 100	291 100	263 100	272 100	155 100	42 100
Unweighted Total	899	213	129	196	37	52	272	172	407	108	185	694	265	340	293	262	272	153	41
Very likely	476 52%	128 58%	61 47%	99 48%	23 64%	26 50%	138 52%	103 59%	219 54%	50 42%	90 50%	409 58%	105 38%	158 45%	147 50%	170 64%	176 65%	72 47%	20 47%
		cd		cd				Jk	J			M				NO	RS		
Somewhat likely	279 31%	63 28%	44 34%	64 31%	9 24%	18 35%	82 31%	38 21%	124 30%	49 41%	63 35%	206 29%	105 38%	114 32%	105 36%	59 22%	67 24%	50 32%	13 30%
								H	Hi	H		L	P	P					
TOP 2 (Very + Somewhat)	755 83%	191 86%	105 81%	163 79%	32 88%	43 85%	220 82%	141 80%	343 84%	99 82%	154 85%	615 87%	210 76%	271 77%	252 87%	229 87%	243 89%	122 79%	32 77%
		d										M			N	N	RS		
Not likely	107 12%	22 10%	19 15%	21 10%	4 12%	5 10%	35 13%	21 12%	45 11%	16 13%	22 12%	59 8%	50 18%	61 17%	29 10%	16 6%	22 8%	24 15%	9 20%
												L	OP				Q	q	
Does not apply to me	28 3%	7 3%	2 2%	8 4%	-	1 2%	10 4%	6 4%	14 3%	2 2%	5 3%	20 3%	7 3%	7 2%	4 1%	17 7%	3 1%	8 5%	1 2%
																NO	Q	Q	
Not sure	22 2%	2 1%	4 3%	13 6%	-	2 4%	2 1%	7 4%	7 2%	4 3%	1 1%	12 2%	10 4%	13 4%	6 2%	2 1%	5 2%	2 1%	-
				BG				k						P					

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 21.Pick up litter when you see it (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	913 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	899	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Very likely	336 37%	107 37%	98 34%	103 38%	148 34%	176 40%	42 23%	20 28%	22 47%	250 41%	16 44%	16 25%	59 37%	57 38%	59 39%	58 40%	65 39%	67 37%	111 38%	88 36%	59 37%	37 42%	52 35%	89 38%	122 35%	67 37%	28 38%	95 37%
Somewhat likely	397 43%	130 44%	127 45%	122 45%	197 45%	188 43%	83 45%	36 51%	12 26%	264 43%	16 45%	33 50%	68 42%	66 44%	71 47%	62 43%	66 40%	74 40%	135 46%	107 43%	71 44%	32 35%	72 49%	103 44%	162 47%	73 41%	33 44%	106 42%
TOP 2 (Very + Somewhat)	733 80%	237 81%	225 79%	225 83%	345 79%	363 82%	125 69%	56 79%	34 73%	514 84%	33 89%	49 75%	128 79%	123 82%	130 86%	120 84%	131 79%	141 77%	246 84%	196 79%	129 81%	69 77%	123 84%	192 81%	284 82%	139 78%	62 82%	201 79%
Not likely	137 15%	43 15%	48 17%	36 13%	75 17%	57 13%	45 24%	10 14%	10 22%	80 13%	3 9%	11 17%	22 13%	23 15%	19 13%	18 13%	28 17%	34 18%	37 13%	37 15%	25 16%	13 14%	18 12%	30 13%	52 15%	33 19%	12 16%	45 18%
Does not apply to me	18 2%	6 2%	3 1%	5 2%	7 2%	8 2%	10 6%	3 5%	-	5 1%	-	1 2%	8 5%	1 1%	1 1%	2 1%	2 1%	2 1%	2 1%	9 4%	1 1%	3 3%	5 3%	7 3%	5 1%	3 2%	-	3 1%
Not sure	25 3%	6 2%	8 3%	4 2%	10 2%	13 3%	3 1%	2 3%	2 5%	15 2%	1 2%	4 5%	4 2%	3 2%	2 1%	3 2%	5 3%	7 4%	8 3%	5 2%	5 3%	5 5%	2 1%	7 3%	6 2%	4 2%	2 3%	6 2%

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
21. Pick up litter when you see it (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	913	222	130	205	37	51	268	175	408	121	182	706	277	353	291	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	899	213	129	196	37	52	272	172	407	108	185	694	265	340	293	262	272	153	41
Very likely	336	64	38	85	14	27	109	66	135	59	67	264	101	143	102	88	114	40	16
	37%	29%	29%	41% BC	38%	53% BC	41% BC	38%	33%	49% hIk	37%	37%	36%	41% p	35%	33%	42% R	26%	39%
Somewhat likely	397	113	63	79	16	18	108	72	191	38	85	307	121	147	131	118	114	85	13
	43%	51% DFG	48%	39%	43%	35%	40%	41%	47% J	32%	47% J	43%	44%	42%	45%	45%	42%	55% QS	31%
TOP 2 (Very + Somewhat)	733	177	101	164	29	45	217	138	326	98	152	570	222	290	233	206	227	125	29
	80%	80%	77%	80%	81%	88% c	81%	79%	80%	81%	84%	81%	80%	82%	80%	78%	84% s	81%	69%
Not likely	137	31	21	32	7	4	42	31	63	15	26	104	41	49	43	44	36	25	6
	15%	14%	16%	16% f	19%	8%	16% f	17%	15%	13%	14%	15%	15%	14%	15%	17%	13%	16%	13%
Does not apply to me	18	5	6	4	-	-	3	3	8	4	-	12	7	10	2	6	4	-	5
	2%	2%	5% dG	2%			1%	2%	2%	3%		2%	3%	3% o	1%	2% o	1%		11% q
Not sure	25	9	3	6	-	2	6	4	12	3	4	20	7	4	13	7	5	5	3
	3%	4%	2%	3%		4%	2%	2%	3%	3%	2%	3%	2%	1%	5% N	3%	2%	3%	6%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 22. Use reusable bags instead of single-use plastic bags at the store (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	913 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	899	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Very likely	469 51%	159 54%	129 46%	146 54%	204 47%	247 56%	77 42%	42 59%	31 68%	326 53%	28 77%	25 39%	83 52%	85 56%	82 54%	69 49%	91 55%	94 51%	143 49%	132 54%	83 51%	58 65%	82 55%	140 59%	173 50%	80 44%	34 45%	114 45%
				c		E		g	Gj	G	GhJ			L	l		L					A1B1 YZ	zB1	A1B1 YZ				
Somewhat likely	301 33%	96 33%	100 35%	85 31%	149 34%	141 32%	75 41%	19 26%	13 28%	189 31%	5 13%	24 38%	55 34%	40 27%	48 32%	49 34%	53 32%	57 31%	103 35%	79 32%	55 34%	24 27%	45 31%	69 29%	119 34%	68 38%	25 33%	93 37%
							hJK			K															vx			x
TOP 2 (Very + Somewhat)	770 84%	256 87%	229 81%	231 85%	353 81%	387 88%	152 83%	61 85%	44 96%	514 84%	33 90%	50 77%	138 86%	126 83%	130 86%	118 83%	144 87%	150 82%	246 84%	211 86%	138 86%	82 92%	127 86%	209 88%	293 84%	148 83%	59 78%	207 81%
						E			GJ													A1B1 YZ		a1B1 z				
Not likely	106 12%	24 8%	42 15%	35 13%	69 16%	33 7%	23 13%	7 10%	1 2%	75 12%	3 8%	9 14%	19 12%	21 14%	15 10%	18 13%	17 10%	22 12%	39 13%	28 12%	15 9%	5 5%	15 10%	20 8%	39 11%	26 15%	14 19%	41 16%
				B	b	F		I		I															v	Vx	VX	VX
Does not apply to me	20 2%	8 3%	6 2%	3 1%	9 2%	10 2%	3 2%	4 5%	1 2%	12 2%	1 3%	3 4%	1 1%	2 3%	4 3%	4 3%	2 1%	7 4%	3 1%	3 1%	5 3%	1 1%	4 2%	5 2%	10 3%	2 1%	2 2%	4 2%
																	t											
Not sure	18 2%	4 1%	6 2%	2 1%	6 1%	11 2%	4 2%	-	-	13 2%	-	3 5%	3 2%	3 2%	2 1%	2 2%	3 2%	5 3%	6 2%	5 2%	2 2%	2 2%	1 1%	3 1%	6 2%	3 1%	1 1%	3 1%

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 22. Use reusable bags instead of single-use plastic bags at the store (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	913	222	130	205	37	51	268	175	408	121	182	706	277	353	291	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	899	213	129	196	37	52	272	172	407	108	185	694	265	340	293	262	272	153	41
Very likely	469	131	51	103	15	23	147	105	206	53	89	367	136	194	126	147	171	68	20
	51%	59%	39%	50%	40%	45%	55%	60%	51%	44%	49%	52%	49%	55%	43%	56%	63%	44%	47%
		CEf		c			Ce	IJK						O		O	RS		
Somewhat likely	301	66	54	71	18	17	75	51	138	42	64	229	97	109	116	76	74	67	9
	33%	30%	41%	34%	48%	34%	28%	29%	34%	35%	35%	32%	35%	31%	40%	29%	27%	43%	22%
			BG		BG										NP		QS		
TOP 2 (Very + Somewhat)	770	197	105	174	32	40	222	156	344	95	153	597	232	303	242	223	244	135	29
	84%	88%	81%	85%	88%	79%	83%	89%	84%	79%	84%	84%	84%	86%	83%	85%	90%	87%	69%
		cg					j									s	s		
Not likely	106	17	22	21	3	7	37	12	43	21	27	81	36	41	36	28	22	13	8
	12%	8%	17%	10%	8%	13%	14%	7%	11%	17%	15%	11%	13%	12%	12%	11%	8%	8%	20%
			Bd				B			H	H							qr	
Does not apply to me	20	5	3	3	1	-	8	3	12	3	1	16	4	2	6	11	2	4	2
	2%	2%	2%	1%	3%		3%	2%	3%	2%	1%	2%	1%	1%	2%	4%	1%	3%	5%
									K		*				N				
Not sure	18	4	1	8	-	4	2	4	9	2	1	14	5	7	8	1	4	4	3
	2%	2%	1%	4%		8%	1%	2%	2%	2%	1%	2%	2%	2%	3%	1%	1%	2%	6%
				CG		cg								P	P	*			

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 23. Stop using plastic straws (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	913 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	899	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Very likely	328 36%	128 44%	83 29%	95 35%	149 34%	169 38%	60 33%	37 52%	20 43%	215 35%	22 60%	19 29%	66 41%	55 37%	49 32%	58 40%	59 36%	60 33%	102 35%	92 37%	64 40%	53 59%	69 47%	122 51%	117 34%	47 26%	17 23%	64 25%
																						A1B1 WXYZ	A1B1 YZ	A1B1 wYZ	A1B1 z			
Somewhat likely	265 29%	93 32%	77 27%	74 27%	113 26%	140 32%	54 30%	20 28%	11 24%	180 29%	7 18%	18 28%	48 30%	46 31%	44 29%	38 27%	45 27%	57 31%	85 29%	69 28%	48 30%	22 24%	42 28%	63 27%	113 32%	43 24%	24 31%	67 26%
																									Zb1			
TOP 2 (Very + Somewhat)	593 65%	221 76%	160 56%	168 62%	261 60%	309 70%	114 63%	57 80%	31 67%	395 64%	29 78%	37 57%	114 71%	102 67%	93 61%	96 67%	105 63%	118 64%	187 64%	161 65%	112 70%	75 83%	111 75%	185 78%	230 66%	90 50%	41 54%	130 51%
																						A1B1 YZ	A1B1 YZ	A1B1 YZ	a1B1 Z			
Not likely	239 26%	50 17%	101 36%	78 29%	136 31%	93 21%	50 27%	9 12%	10 21%	166 27%	5 14%	18 28%	36 23%	41 27%	46 31%	36 25%	40 24%	44 24%	79 27%	69 28%	39 24%	11 13%	24 16%	35 15%	85 24%	78 44%	25 33%	103 40%
																										VWX VWXY	a1b1 VWX	XyA1 VW
Does not apply to me	47 5%	12 4%	14 5%	14 5%	22 5%	23 5%	11 6%	2 3%	2 5%	34 6%	2 6%	6 9%	5 3%	4 3%	6 4%	7 5%	15 9%	15 8%	16 5%	10 4%	4 3%	3 3%	8 6%	11 5%	17 5%	6 3%	8 11%	15 6%
																											xZB1 V	Z
Not sure	34 4%	10 3%	9 3%	10 4%	17 4%	16 4%	8 4%	4 5%	3 7%	19 3%	1 2%	5 7%	6 3%	4 3%	6 4%	4 3%	6 4%	7 4%	13 4%	6 2%	6 4%	1 1%	5 3%	5 2%	15 4%	5 3%	2 2%	7 3%

Comparison Groups: BCD/EF/GHIJK/LMNO/PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 23. Stop using plastic straws (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	913	222	130	205	37	51	268	175	408	121	182	706	277	353	291	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	899	213	129	196	37	52	272	172	407	108	185	694	265	340	293	262	272	153	41
Very likely	328	89	38	79	14	16	91	77	142	45	54	254	99	142	77	107	132	37	10
	36%	40%	29%	38%	38%	32%	34%	44%	35%	37%	30%	36%	36%	40%	27%	41%	49%	24%	23%
		C		C				IK						O		O	RS		
Somewhat likely	265	64	46	54	8	11	81	54	117	34	55	205	81	97	94	72	71	44	4
	29%	29%	35%	26%	23%	22%	30%	31%	29%	28%	30%	29%	29%	28%	32%	27%	26%	28%	9%
			f													S	S		
TOP 2 (Very + Somewhat)	593	153	84	133	22	28	173	131	259	79	109	459	180	239	171	179	204	81	13
	65%	69%	65%	65%	61%	54%	64%	75%	63%	66%	60%	65%	65%	68%	59%	68%	75%	52%	32%
		f						IK						O		O	RS	S	
Not likely	239	53	37	52	9	15	72	34	118	23	55	188	68	88	89	62	49	60	22
	26%	24%	28%	25%	26%	30%	27%	19%	29%	19%	30%	27%	25%	25%	31%	23%	18%	39%	54%
								HJ	HJ		HJ				p			Q	Qr
Does not apply to me	47	10	2	9	4	7	16	3	19	12	12	35	17	14	16	17	8	12	3
	5%	5%	1%	4%	11%	13%	6%	1%	5%	10%	7%	5%	6%	4%	6%	6%	3%	8%	7%
		C			C	bcd	C		H	Hi	H							q	
Not sure	34	6	7	11	1	2	7	8	13	7	5	25	12	13	15	5	12	3	3
	4%	3%	6%	5%	2%	3%	3%	4%	3%	6%	3%	4%	4%	4%	5%	2%	4%	2%	7%
															p				

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
24. Stop using all single-use plastic items for a month (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	913 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	899	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Very likely	257 28%	100 34% C	56 20%	82 30% C	106 24%	142 32% E	49 27%	27 37%	16 34%	170 28%	11 30%	12 18%	57 35% Lp	45 30% l	42 28%	37 26%	47 28% l	56 31%	72 25%	80 33% su	40 25%	40 45% A1B1 YZ	56 38% A1B1 YZ	96 41% A1B1 YZ	98 28% A1B1 Z	33 18%	14 18%	46 18%
Somewhat likely	325 36%	106 36%	103 36%	96 36%	156 36%	159 36%	64 35%	24 34%	16 35%	216 35%	12 34%	21 32%	54 33%	60 40%	60 40%	47 33%	58 35%	61 33%	113 38%	81 33%	61 38%	22 25%	51 35%	74 31% xzb1	141 41% V	59 33%	25 34%	84 33%
TOP 2 (Very + Somewhat)	582 64%	205 70% C	159 56%	179 66% C	262 60%	301 68% E	113 62%	51 72%	32 69%	385 63%	23 63%	32 50%	111 69% Lp	105 70% LP	102 67% Lp	83 58%	105 64% l	118 64%	185 63%	161 65%	101 63%	62 70% A1B1 Z	107 73% A1B1 Z	170 72% A1B1 Z	239 69% A1B1 Z	92 51%	39 52%	131 51%
Not likely	250 27%	69 24%	99 35% BD	70 26%	136 31% F	105 24%	53 29% i	17 23%	8 18%	175 29% i	11 31%	25 38% Mno	33 20%	36 24%	38 25%	52 36% MNOq	44 27%	46 25%	79 27%	69 28%	50 31%	19 21%	28 19%	46 20%	87 25% VWXY	68 38% VWXY	31 41% VWXY	99 39% VWXY
Does not apply to me	30 3%	6 2%	12 4%	7 3%	11 3% j	15 3%	11 6% j	2 3%	3 6%	17 3% j	1 3%	3 5%	8 5%	4 2%	4 3%	3 2%	4 2%	8 4%	13 4% U	5 2%	2 1%	4 5%	3 2%	7 3%	10 3%	4 2%	4 6%	9 3%
Not sure	51 6%	12 4%	14 5%	14 5%	26 6%	21 5%	5 3%	2 2%	3 7%	36 6% g	1 2%	5 7%	9 6%	6 4%	8 5%	5 3%	12 7% p	13 7%	16 5%	12 5%	7 4%	4 5%	9 6% A1	13 6% A1	11 3% A1B1 Y	16 9% A1B1 Y	1 1%	16 6% yA1

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 24. Stop using all single-use plastic items for a month (In the future, how likely would you be to do any of these things, if you thought they would reduce the amount of plastic in the environment and the ocean?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	913	222	130	205	37	51	268	175	408	121	182	706	277	353	291	263	272	155	42
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	899	213	129	196	37	52	272	172	407	108	185	694	265	340	293	262	272	153	41
Very likely	257	59	27	67	11	15	78	56	109	30	56	205	73	104	67	83	99	28	8
	28%	26%	21%	33%	29%	29%	29%	32%	27%	25%	31%	29%	26%	29%	23%	32%	36%	18%	20%
				C			C							o		O	RS		
Somewhat likely	325	87	58	58	18	17	88	63	146	49	57	257	106	123	108	92	99	68	9
	36%	39%	44%	28%	49%	33%	33%	36%	36%	41%	31%	36%	38%	35%	37%	35%	37%	44%	20%
		D	DG		Dg												S	S	
TOP 2 (Very + Somewhat)	582	146	85	125	28	31	166	119	255	80	113	463	179	227	176	176	198	96	17
	64%	66%	65%	61%	78%	62%	62%	68%	62%	66%	62%	65%	65%	64%	60%	67%	73%	62%	40%
					DFG												RS	S	
Not likely	250	60	40	57	7	11	75	42	119	30	55	183	74	103	86	61	57	46	18
	27%	27%	31%	28%	19%	22%	28%	24%	29%	24%	31%	26%	27%	29%	30%	23%	21%	30%	42%
																		q	Q
Does not apply to me	30	6	1	10	-	3	11	6	13	5	6	25	12	10	10	9	1	8	4
	3%	3%	1%	5%		5%	4%	3%	3%	4%	3%	4%	4%	3%	4%	3%	*	5%	9%
				C			C										Q	Q	Q
Not sure	51	11	4	13	1	6	15	8	21	6	7	35	12	13	19	18	16	5	4
	6%	5%	3%	6%	4%	11%	6%	5%	5%	5%	4%	5%	4%	4%	6%	7%	6%	3%	9%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 25A.Chesapeake Bay Foundation (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	511 100	164 100	163 100	144 100	233 100	256 100	105 100	43 100	22 100	345 100	22 100	43 100	79 100	89 100	92 100	74 100	89 100	110 100	156 100	142 100	87 100	37 100	90 100	127 100	197 100	96 100	51 100	147 100
Unweighted Total	503	166	160	139	225	257	81	22	20	373	18	37	55	93	88	94	96	108	152	138	90	33	86	119	193	100	54	154
A lot	203 40%	87 53% CD	50 31%	58 40%	80 34%	118 46% E	39 37%	15 35%	10 47%	144 42%	9 41%	16 37%	28 36%	30 33%	45 49% N	40 55% M	34 38%	34 31%	66 43% r	57 40%	41 47% R	23 62% A1B1 YZ	50 55% A1B1 YZ	72 57% A1B1 YZ	75 38%	30 31%	14 28%	45 30%
Some	184 36%	46 28%	72 44% Bd	49 34%	92 40%	83 32%	31 29%	9 22%	9 40%	133 39% h	6 29%	12 29%	28 35%	38 42%	29 32%	24 33%	38 42%	43 39%	54 35%	50 35%	31 36%	9 24%	22 24%	31 24%	73 37% WX	45 46% VWX	22 43% VWX	67 45% VWX
TOP 2 (A lot + Some)	387 76%	132 80%	122 75%	107 75%	172 74%	201 79%	70 67%	25 57%	19 87% GH	277 80% GH	15 70%	28 66%	56 71%	67 76%	75 81% l	64 87% LMN	71 80% l	77 70%	121 77%	107 75%	72 83% R	32 86% a1b1 y	72 79%	103 81%	148 75%	75 78%	37 71%	111 76%
Only a little	52 10%	17 10%	15 9%	19 13%	27 12%	24 9%	13 13%	9 20%	2 9%	31 9%	3 13%	9 21% OPq	10 13% P	11 12% OP	4 5%	2 2%	7 8% p	11 10%	17 11%	19 13% U	5 6%	2 7%	7 8%	10 8% xzb1	28 14% xzb1	7 8%	6 11%	13 9%
Not at all	25 5%	2 2%	11 7% B	8 6% B	16 7% F	6 2%	9 9% j	8 18% gj	1 4%	12 3%	3 12%	1 2%	3 4%	5 5%	3 3%	2 2%	4 4%	6 6%	5 3%	7 5%	6 7%	3 7%	6 6%	8 6%	6 3%	4 5%	3 6%	7 5%
Don't know	46 9%	13 8%	15 9%	9 7%	18 8%	24 9%	12 12%	2 4%	-	25 7%	1 5%	5 10%	10 12%	6 7%	10 11%	6 8%	6 7%	16 15% TU	13 8%	9 6%	4 5%	-	6 6%	6 4%	14 7%	10 10%	6 12%	16 11% X

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25A.Chesapeake Bay Foundation (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	511 100	127 100	70 100	103 100	27 100	29 100	154 100	88 100	228 100	76 100	105 100	384 100	166 100	204 100	157 100	147 100	143 100	86 100	24 100
Unweighted Total	503	123	67	99	28	30	156	87	227	68	106	377	161	199	154	147	146	85	24
A lot	203 40%	46 36%	30 42%	51 50% bFG	15 55% bFG	8 28%	53 35%	41 47%	91 40%	30 39%	37 36%	158 41%	59 35%	79 39%	67 43%	56 38%	79 55% RS	21 24%	5 20%
Some	184 36%	45 35%	27 38%	29 28%	10 36%	12 40%	62 40% d	27 31%	84 37% j	19 25%	48 46% HJ	135 35%	59 36%	74 36%	52 33%	58 39%	46 32%	39 46% Q	12 48%
TOP 2 (A lot + Some)	387 76%	91 72%	56 80%	80 78%	24 91% BdFG	20 68%	116 75%	69 78% j	175 77% j	49 64%	85 81% J	293 76%	118 71%	154 75%	120 76%	114 78%	125 87% RS	60 70%	16 67%
Only a little	52 10%	19 15% cDE	5 7%	6 5%	1 3%	6 19% dE	16 10% e	10 12%	22 10%	13 17% k	7 6%	42 11%	19 12%	18 9%	20 13%	12 8%	6 4%	13 16% Q	5 19% q
Not at all	25 5%	7 5%	5 7%	5 4%	-	1 4%	7 5%	1 1%	11 5% h	7 9% H	6 5%	17 4%	8 5%	6 3%	7 5%	12 8% n	2 1%	5 6% q	1 4%
Don't know	46 9%	10 8%	4 6%	13 12%	2 6%	3 9%	16 10%	8 9%	20 9%	8 10%	7 7%	32 8%	20 12%	26 13% OP	10 6%	9 6%	11 8%	7 8%	3 10%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
25B.Clean Virginia Waterways (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	509 100	159 100	161 100	146 100	256 100	231 100	99 100	39 100	20 100	342 100	10 100	37 100	84 100	79 100	86 100	86 100	90 100	99 100	159 100	136 100	96 100	46 100	75 100	120 100	192 100	113 100	42 100	155 100
Unweighted Total	504	159	161	143	249	234	77	21	18	372	10	31	58	82	85	106	98	98	165	128	96	41	71	112	189	118	44	162
A lot	191 37%	79 49% CD	55 34%	41 28%	85 33%	100 43% E	32 32%	16 42%	12 58% Gj	127 37%	4 39%	10 26%	35 42%	33 42%	38 44% l	34 40%	32 35%	38 38%	64 40%	45 33%	38 40%	28 61% A1B1 YZ	36 48% A1B1 Z	64 53% A1B1 YZ	72 37% b1	32 28%	12 28%	44 28%
Some	202 40%	51 32%	66 41%	68 47% B	108 42%	84 36%	36 37%	17 44%	5 26%	141 41%	3 26%	14 38%	32 38%	31 39%	32 37%	35 41%	41 45%	35 36%	68 43%	56 41%	36 37%	12 25%	24 32%	35 29%	77 40% vx	54 48% VWX	17 41%	71 46% VWX
TOP 2 (A lot + Some)	392 77%	130 82%	120 75%	109 75%	192 75%	184 80%	68 69%	33 86% g	17 84%	269 79% g	7 66%	24 64%	67 80%	64 81% l	69 81% l	69 81% l	73 81% l	73 74%	132 83% rt	101 74%	74 77%	40 86% A1b1	60 80%	99 82% a1	148 77%	86 77%	29 69%	115 74%
Only a little	50 10%	16 10%	16 10%	13 9%	25 10%	24 10%	16 16% hi	2 5%	1 5%	31 9%	2 23%	6 17% o	7 9%	8 10% o	2 2%	10 12% o	6 7%	8 8%	13 8%	19 14%	8 8%	3 7%	6 7%	9 7%	19 10%	12 11%	5 13%	18 11%
Not at all	18 4%	2 1%	9 5% B	6 4%	13 5% F	2 1%	6 6%	2 5%	-	10 3%	1 12%	2 6%	1 2%	3 3%	3 4%	3 3%	2 2%	5 5%	6 4%	2 2%	4 5%	-	2 3%	2 2%	4 2%	6 6%	4 9% xy	10 7% XY
Don't know	48 9%	11 7%	16 10%	18 12%	25 10%	21 9%	9 9%	2 4%	2 12%	32 9%	-	5 13%	8 10%	4 6%	11 13% nP	4 4%	9 10%	12 13% s	8 5%	14 10%	10 11%	3 7%	7 10%	10 8%	20 11%	8 7%	4 9%	12 8%

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
25B.Clean Virginia Waterways (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Selldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	509	112	81	122	19	29	146	96	228	53	115	390	159	203	158	144	148	91	22
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	504	110	79	116	19	29	151	97	226	48	117	386	151	195	161	145	151	89	22
A lot	191	51	24	43	7	10	57	46	83	21	37	153	60	74	57	56	79	22	4
	37%	45%	29%	35%	36%	35%	39%	48%	36%	39%	32%	39%	38%	37%	36%	39%	53%	24%	18%
		C						ik									RS		
Some	202	40	42	46	12	9	53	30	94	21	50	153	62	79	63	58	47	43	5
	40%	35%	52%	38%	59%	31%	36%	31%	41%	40%	44%	39%	39%	39%	40%	40%	32%	47%	21%
			BdFG		bdFg				h		h						QS		
TOP 2 (A lot + Some)	392	90	66	90	18	19	109	76	177	42	87	306	122	154	121	114	126	65	9
	77%	80%	81%	74%	95%	66%	75%	78%	77%	79%	76%	79%	77%	76%	76%	79%	85%	71%	39%
					BCDFG												RS	S	
Only a little	50	6	8	15	-	5	16	10	20	2	17	36	17	20	16	14	10	13	7
	10%	6%	9%	13%		16%	11%	10%	9%	4%	15%	9%	11%	10%	10%	9%	7%	14%	33%
				b							ij							q	Qr
Not at all	18	3	1	7	-	2	6	2	9	3	3	15	3	4	10	5	3	2	4
	4%	3%	1%	5%		6%	4%	2%	4%	5%	3%	4%	2%	2%	6%	3%	2%	3%	17%
				c											N				qr
Don't know	48	13	7	10	1	3	14	9	23	6	8	33	17	25	12	11	10	11	2
	9%	11%	8%	8%	5%	12%	10%	9%	10%	12%	7%	8%	10%	12%	7%	8%	6%	12%	11%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
25C.Elected members of the Virginia General Assembly (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	486 100	161 100	143 100	149 100	250 100	224 100	96 100	38 100	27 100	329 100	21 100	29 100	89 100	93 100	84 100	74 100	86 100	93 100	147 100	157 100	82 100	51 100	89 100	140 100	170 100	104 100	39 100	142 100
Unweighted Total	479	162	141	144	241	227	74	21	22	357	19	25	61	97	83	92	93	88	151	148	85	44	85	129	169	108	41	149
A lot	40 8%	21 13% CD	7 5%	8 6%	18 7%	20 9%	14 15% j	4 10%	2 7%	18 5%	1 6%	3 11%	6 6%	9 10%	9 10%	7 9%	4 5%	9 10%	14 9%	9 6%	5 6%	9 18% a1B1 Z	9 10% Zb1	18 13% a1B1 Z	15 9% ZB1	3 3%	2 5%	5 3%
Some	160 33%	59 37%	44 31%	47 31%	79 31%	79 35%	34 35%	19 50% jk	8 31%	98 30%	5 24%	10 34%	33 37%	35 38%	23 27%	24 32%	25 29%	33 36%	46 31%	54 34%	26 31%	18 36%	28 32%	47 33% a1b1	65 38% a1b1	32 30%	9 24%	41 29%
TOP 2 (A lot + Some)	200 41%	80 50% CD	52 36%	55 37%	96 39%	100 45%	48 50% j	23 60% JK	10 38%	116 35%	6 30%	13 44%	39 43%	45 48% Q	31 37%	31 41%	29 34%	42 46%	60 41%	63 40%	31 38%	28 54% A1B1 Z	37 42%	65 46% A1B1 Z	80 47% A1B1 Z	34 33%	11 29%	45 32%
Only a little	168 34%	54 34%	53 37%	46 31%	88 35%	75 33%	30 31%	14 36%	17 62% GhJ	118 36%	8 40%	13 44%	32 36%	28 30%	28 33%	25 34%	31 36%	26 29%	50 34%	67 42% RU	23 28%	14 28%	35 40%	49 35%	52 31%	39 38%	14 37%	54 38%
Not at all	94 19%	18 11%	32 22% B	41 28% B	58 23% F	34 15%	12 13%	2 4%	-	78 24% GH	5 23% h	3 9%	13 14%	17 19%	19 23% I	15 20%	21 24% I	15 16%	31 21%	24 15%	23 29% RT	7 14%	14 16%	22 15%	30 18%	24 24%	10 27%	35 24% x
Don't know	25 5%	8 5%	6 4%	7 5%	8 3%	16 7% e	5 6%	-	-	18 6%	1 6%	1 3%	6 6%	3 3%	6 7%	4 5%	5 6%	9 10% t	6 4%	4 3%	5 6%	2 4%	2 2%	4 3%	8 5%	6 6%	3 7%	9 6%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25C.Elected members of the Virginia General Assembly (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	486	115	76	107	20	24	143	93	228	61	97	380	142	195	147	142	134	87	25
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	479	108	75	103	22	26	145	92	227	56	97	374	136	189	149	139	133	85	23
A lot	40	11	4	14	3	1	8	15	14	4	6	35	10	23	7	8	18	7	2
	8%	10%	5%	13%	12%	3%	6%	16%	6%	6%	7%	9%	7%	12%	5%	5%	13%	8%	8%
				cfg				Ijk						OP					
Some	160	47	21	35	5	5	48	25	84	22	27	128	47	66	50	44	49	27	4
	33%	41%	28%	33%	23%	20%	33%	27%	37%	36%	27%	34%	33%	34%	34%	31%	36%	31%	18%
				ceF				k									S		
TOP 2 (A lot + Some)	200	58	25	48	7	6	56	40	97	26	33	163	58	89	56	52	67	34	6
	41%	51%	32%	45%	36%	23%	39%	43%	43%	42%	34%	43%	41%	46%	38%	37%	50%	39%	26%
				cF			f									S			
Only a little	168	39	25	38	11	8	47	30	78	21	38	123	52	61	58	49	40	33	5
	34%	34%	32%	36%	52%	33%	33%	32%	34%	34%	39%	32%	36%	31%	39%	34%	30%	38%	20%
																	S		
Not at all	94	17	24	14	1	6	31	21	43	10	19	78	25	35	24	35	21	16	10
	19%	15%	32%	13%	5%	25%	22%	23%	19%	16%	19%	21%	17%	18%	16%	25%	15%	18%	41%
						E	dE									o			Qr
Don't know	25	1	3	6	2	4	9	2	10	5	7	16	8	10	9	6	7	4	3
	5%	1%	4%	6%	8%	18%	6%	2%	4%	8%	8%	4%	6%	5%	6%	4%	5%	5%	13%
				B		Bc	B				h								

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 25D.Major universities in Virginia (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	531 100	173 100	165 100	162 100	252 100	264 100	106 100	49 100	26 100	354 100	18 100	45 100	95 100	88 100	102 100	75 100	89 100	97 100	178 100	147 100	96 100	54 100	90 100	144 100	210 100	96 100	43 100	138 100
Unweighted Total	516	170	162	154	243	258	82	26	23	381	17	38	66	91	100	93	97	91	178	138	97	45	85	130	208	99	43	142
A lot	166 31%	69 40% C	34 20%	56 35% C	80 32%	83 31%	34 32%	24 50% gIJ	6 23%	106 30%	8 43%	13 30%	32 33%	34 39% Q	35 35% q	27 36% q	20 23%	25 26%	55 31%	53 36% r	30 31%	29 54% A1B1 wxyz	34 38% A1B1 z	64 44% A1B1 wyz	66 31% ZB1	19 20%	9 21%	28 20%
Some	230 43%	75 44%	70 42%	67 42%	92 37%	130 49% E	41 38%	19 38%	16 61% GK	154 43%	5 29%	23 51% n	47 49% N	28 32%	42 41%	29 38%	43 48% N	41 42%	76 43%	64 44%	42 44%	20 38%	44 49% a1	65 45%	87 41%	43 45%	14 33%	57 41%
TOP 2 (A lot + Some)	396 75%	144 83% C	104 63%	124 76% C	173 69%	213 81% E	75 71%	43 89% GJ	22 83%	260 74%	13 71%	36 81%	78 82%	63 71%	77 76%	56 74%	63 71%	66 68%	131 74%	117 80%	72 75%	50 92% A1B1 YZ	79 87% A1B1 YZ	128 89% A1B1 YZ	153 73% A1B1	62 65%	23 54%	85 62%
Only a little	70 13%	15 9%	35 21% BD	19 12%	39 16%	28 11%	17 16% H	2 3%	3 13%	49 14% H	3 17%	3 7%	9 9%	18 20% LM	12 12%	9 12%	13 15%	11 12%	26 15%	18 12%	12 12%	3 6%	7 8%	10 7%	33 15% VwX	16 16% VwX	9 22% VwX	25 18% VwX
Not at all	31 6%	1 1%	15 9% B	14 9% B	24 10% F	6 2%	7 7%	2 4%	-	24 7%	2 11%	1 3%	3 3%	6 7%	5 5%	6 8%	5 6%	5 5%	8 5%	9 6%	9 9%	1 2%	2 3%	4 3%	10 5%	11 11% VwXy	7 16% VwXy	17 13% VwXy
Don't know	34 6%	13 7%	12 7%	6 3%	16 6%	17 6%	7 7%	2 4%	1 4%	21 6%	-	4 9%	6 6%	2 2%	8 8% n	5 6%	7 8% n	15 15% sTU	12 7% T	3 2%	3 3%	-	2 3%	2 2%	15 7% wX	7 8% X	3 8%	11 8% wX

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25D.Major universities in Virginia (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED =FLOATING TRASH=		ABOUT Not
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	531 100	133 100	68 100	120 100	23 100	28 100	158 100	107 100	233 100	69 100	108 100	415 100	163 100	204 100	183 100	144 100	173 100	79 100	24 100
Unweighted Total	516	124	65	115	22	30	160	103	231	61	107	405	149	194	182	140	170	77	23
A lot	166 31%	44 33%	25 36%	39 32%	8 34%	9 32%	41 26%	42 39%	71 31%	19 28%	31 29%	125 30%	54 33%	71 35% o	46 25%	49 34% o	56 32% s	21 27% s	2 8%
Some	230 43%	62 47%	24 35%	48 40%	11 49%	14 49%	71 45%	37 34%	98 42%	37 53% H	51 48% h	183 44%	71 43%	87 43%	79 44%	63 44%	85 49%	34 44%	10 42%
TOP 2 (A lot + Some)	396 75%	106 80% g	48 71%	87 72%	19 83%	23 81%	112 71%	79 74%	170 73%	56 81%	82 77%	308 74%	125 77%	158 77% o	125 69%	113 78% o	141 82% rS	56 71% s	12 50%
Only a little	70 13%	13 10%	13 18%	17 14%	3 13%	4 13%	21 13%	14 14%	32 14%	5 7%	17 16% j	51 12%	24 15%	31 15%	23 13%	15 11%	17 10%	10 12%	6 23%
Not at all	31 6%	7 5%	3 5%	5 4%	-	2 6%	14 9%	6 5%	18 8%	3 5%	5 4%	30 7% M	2 1%	4 2%	18 10% N	9 6% n	5 3%	8 10% q	4 16%
Don't know	34 6%	7 5%	4 6%	12 10%	1 4%	-	11 7%	8 8%	13 6%	5 7%	4 3%	26 6%	12 7%	12 6%	16 9%	7 5%	9 5%	6 7%	3 11%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
25E.The Nature Conservancy (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)	
Total	490	162	149	140	214	254	99	39	31	330	17	35	81	71	85	76	95	99	151	131	94	48	79	128	188	89	41	130	
Unweighted Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
A lot	483	165	148	134	214	248	77	21	26	358	15	30	55	74	85	94	103	94	155	124	95	41	78	119	185	94	43	137	
	202	92	49	53	79	115	44	16	19	140	10	14	36	26	41	30	44	36	72	49	43	30	47	77	74	30	11	41	
	41%	57%	33%	38%	37%	45%	44%	40%	60%	43%	60%	39%	44%	37%	48%	40%	47%	37%	47%	37%	46%	62%	59%	60%	39%	34%	26%	31%	
		CD			e				j										t			A1B1 YZ	A1B1 YZ	A1B1 YZ	a1				
Some	169	44	58	51	77	84	25	16	5	115	5	10	35	29	23	26	29	36	41	48	35	11	18	29	69	31	16	48	
	35%	27%	39%	37%	36%	33%	25%	42%	17%	35%	28%	29%	44%	41%	28%	34%	31%	36%	27%	37%	38%	23%	22%	22%	37%	35%	40%	37%	
			B	b				i		I			o	o						s	s				vwx	wx	vwx	vwx	
TOP 2 (A lot + Some)	371	135	106	104	156	199	69	32	24	255	15	24	71	56	64	56	74	72	112	97	79	41	65	106	144	61	27	89	
	76%	83%	71%	74%	73%	79%	70%	82%	77%	77%	88%	68%	88%	78%	76%	74%	78%	73%	74%	74%	84%	85%	81%	83%	76%	69%	66%	68%	
		cd									g	LoP									rst	A1B1 Z	a1B1 z	A1B1 Z					
Only a little	53	14	23	12	28	24	12	4	2	35	2	5	2	8	11	8	9	9	18	17	9	1	7	8	23	13	8	21	
	11%	9%	15%	9%	13%	9%	12%	9%	8%	11%	12%	15%	3%	11%	13%	11%	10%	9%	12%	13%	9%	3%	9%	6%	12%	14%	20%	16%	
			b									m		m	M	m	m								Vx	Vx	vwx	vwx	
Not at all	18	4	4	5	11	5	6	-	3	10	-	1	2	2	3	3	4	6	7	4	1	2	2	4	6	3	2	5	
	4%	2%	2%	4%	5%	2%	6%		9%	3%		3%	2%	3%	3%	4%	5%	6%	4%	3%	1%	4%	3%	3%	3%	3%	5%	3%	
				f														u	u										
Don't know	47	8	16	18	19	25	11	3	2	30	-	5	6	6	7	9	7	12	14	14	5	4	6	10	16	12	4	16	
	10%	5%	11%	13%	9%	10%	11%	9%	6%	9%		14%	7%	8%	8%	12%	8%	12%	9%	10%	6%	9%	7%	8%	8%	14%	9%	12%	
			b	B																									

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25E.The Nature Conservancy (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	490	124	67	108	19	23	149	99	213	59	107	384	135	176	170	143	135	86	20
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	483	119	67	104	19	24	150	97	213	53	108	381	128	169	173	140	138	83	19
A lot	202	52	25	39	10	8	69	42	92	22	45	157	59	76	65	60	73	18	3
	41%	42%	37%	36%	54%	33%	46%	42%	43%	37%	43%	41%	44%	43%	38%	42%	54%	21%	17%
																	RS		
Some	169	40	27	37	5	9	51	30	72	22	38	137	40	57	66	47	37	39	5
	35%	33%	40%	34%	25%	40%	34%	31%	34%	37%	35%	36%	30%	32%	39%	33%	27%	45%	27%
																		Q	
TOP 2 (A lot + Some)	371	92	51	77	15	17	120	73	164	44	83	294	99	132	131	107	110	57	9
	76%	74%	77%	71%	79%	73%	80%	73%	77%	74%	78%	77%	74%	75%	77%	75%	81%	67%	45%
							d										RS	s	
Only a little	53	14	4	17	2	2	14	9	26	5	12	45	12	15	23	16	8	15	4
	11%	11%	6%	16%	11%	7%	9%	9%	12%	8%	11%	12%	9%	8%	13%	11%	6%	17%	20%
				C														Q	
Not at all	18	5	3	5	-	2	4	3	6	6	3	15	4	7	4	7	7	3	3
	4%	4%	4%	4%		7%	2%	3%	3%	10%	3%	4%	3%	4%	2%	5%	5%	3%	13%
										i									
Don't know	47	13	8	10	2	3	12	15	17	5	9	30	19	22	13	12	11	11	5
	10%	10%	13%	9%	10%	12%	8%	15%	8%	8%	8%	8%	14%	13%	8%	9%	8%	13%	23%
													1						

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
25F.The Sierra Club (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	469 100	147 100	144 100	144 100	220 100	231 100	86 100	41 100	25 100	317 100	22 100	35 100	70 100	80 100	77 100	82 100	83 100	97 100	153 100	120 100	84 100	52 100	70 100	122 100	180 100	97 100	34 100	131 100
Unweighted Total	466	151	142	140	217	231	67	23	22	345	19	28	51	84	76	100	90	94	158	117	84	46	67	113	178	103	36	139
A lot	92 20%	38 26% c	24 16%	26 18%	40 18%	49 21%	15 18%	12 28%	4 17%	66 21%	8 34% g	2 6%	9 13%	17 21% L	16 21% L	22 27% LM	20 24% Lm	16 17%	29 19%	19 16%	24 29% rT	23 43% A1B1 YZ	20 29% A1B1 YZ	43 35% A1B1 YZ	24 13%	17 17%	4 10%	20 15%
Some	117 25%	39 27%	38 26%	31 22%	57 26%	55 24%	15 17%	13 33% K	7 27% k	85 27% gK	2 7%	12 36%	18 25%	22 27%	17 22%	16 20%	22 27%	20 21%	39 25%	37 31%	17 20%	14 26%	22 31%	35 29%	45 25%	22 23%	7 20%	29 22%
TOP 2 (A lot + Some)	210 45%	77 53% cd	61 43%	57 40%	97 44%	104 45%	30 35%	25 61% Gk	11 44%	151 48% G	9 42%	15 42%	27 38%	39 48%	32 42%	38 47%	42 51%	36 37%	68 44%	56 47%	41 49%	36 69% A1B1 YZ	42 60% A1B1 YZ	78 64% A1B1 YZ	69 38%	39 40%	10 30%	49 38%
Only a little	80 17%	26 18%	28 20%	22 16%	40 18%	40 17%	16 19%	4 9%	6 22%	55 17%	4 17%	9 27%	10 14%	12 14%	14 18%	13 15%	14 17%	17 18%	30 20%	18 15%	15 17%	3 6%	13 18% vx	16 13% v	30 17% v	19 20% v	9 26% v	28 21% Vx
Not at all	42 9%	9 6%	16 11%	12 8%	23 11%	16 7%	9 10%	4 9%	2 8%	26 8%	2 8%	3 8%	3 4%	5 7%	4 5%	11 13% Mo	10 12% m	8 8%	9 6%	13 11%	10 12%	1 2%	2 3%	3 2%	15 8% VwX	14 15% VwX	5 16% VwX	20 15% VwXy
Don't know	138 29%	34 23%	38 27%	52 36% Bc	60 27%	71 31%	31 36%	9 21%	7 26%	85 27%	7 33%	8 23%	31 44% lPQ	25 31% q	26 34% Q	20 25%	17 20%	35 37% U	47 30%	33 27%	18 22%	12 23%	13 19%	25 20%	66 37% XZB1 vw	24 25%	10 28%	34 26%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25F.The Sierra Club (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	469	110	61	108	23	28	139	90	204	62	101	343	160	191	129	144	139	82	23
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	466	108	64	103	23	27	141	91	204	57	102	339	155	186	133	143	141	80	23
A lot	92	22	7	30	3	7	24	18	41	14	17	80	20	31	26	33	35	8	4
	20%	20%	11%	28%	15%	24%	17%	20%	20%	22%	17%	23%	13%	16%	20%	23%	25%	10%	15%
				Cg								M					R		
Some	117	32	19	16	3	6	42	19	47	18	30	93	40	43	27	47	36	22	3
	25%	29%	30%	14%	12%	22%	30%	21%	23%	29%	30%	27%	25%	23%	21%	33%	26%	27%	15%
		DE	DE				DE									NO			
TOP 2 (A lot + Some)	210	54	25	46	6	13	66	37	88	32	47	173	60	74	53	81	71	30	7
	45%	49%	41%	42%	27%	46%	48%	41%	43%	51%	46%	50%	38%	39%	41%	56%	51%	37%	30%
		E					E					M				NO	RS		
Only a little	80	17	13	19	5	6	20	16	33	9	23	52	31	39	20	20	20	15	3
	17%	15%	21%	17%	23%	23%	15%	18%	16%	14%	22%	15%	19%	20%	15%	14%	14%	19%	14%
Not at all	42	12	8	11	3	1	7	7	25	2	6	31	11	11	15	16	9	9	6
	9%	11%	13%	10%	12%	3%	5%	8%	12%	4%	6%	9%	7%	6%	11%	11%	6%	11%	24%
			f						jk						n	n			q
Don't know	138	28	16	33	9	8	45	30	58	20	26	87	58	68	42	27	40	27	7
	29%	25%	26%	30%	38%	28%	32%	34%	28%	32%	26%	25%	36%	36%	32%	19%	29%	33%	31%
												L		P	P				

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 25G.Virginia Aquarium & Marine Science Center (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	rate	Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)	
Total	498	152	150	158	257	224	111	41	26	328	24	35	93	88	89	72	85	102	159	144	79	46	82	128	201	94	35	128	
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	484	153	145	149	244	222	83	22	22	351	21	30	62	91	87	88	93	95	158	135	82	39	78	117	196	97	35	132	
A lot	239	90	61	80	112	122	57	18	15	158	13	12	45	43	47	35	45	40	90	65	41	30	46	76	96	44	11	54	
	48%	59%	41%	50%	43%	55%	51%	43%	57%	48%	55%	33%	49%	48%	53%	48%	53%	39%	56%	45%	53%	66%	56%	59%	47%	47%	31%	42%	
		C				E								l		l		Rt		r	A1B1 YZ	A1b1	A1B1 YZ	a1	a1b1		a1		
Some	161	36	56	50	88	65	26	16	5	111	7	12	29	28	25	23	28	32	41	56	25	10	21	30	65	32	17	49	
	32%	23%	37%	31%	34%	29%	23%	40%	20%	34%	28%	35%	31%	32%	28%	32%	33%	31%	26%	39%	31%	21%	25%	24%	32%	34%	48%	38%	
			B							G									S							VwXy	VwX		
TOP 2 (A lot + Some)	401	126	117	129	200	187	82	34	20	270	20	24	74	71	73	58	73	72	131	120	66	40	66	106	160	76	27	103	
	80%	83%	78%	82%	78%	84%	74%	83%	77%	82%	84%	68%	80%	81%	81%	80%	86%	70%	82%	84%	84%	87%	81%	83%	80%	81%	79%	80%	
Only a little	39	11	16	10	24	16	12	3	1	25	3	4	5	9	6	9	4	9	13	11	6	1	6	7	20	8	2	10	
	8%	7%	11%	7%	9%	7%	11%	8%	4%	8%	13%	12%	5%	10%	7%	12%	5%	9%	8%	8%	7%	3%	7%	6%	10%	9%	5%	8%	
					f									m										v					
Not at all	25	7	9	9	17	7	10	2	4	13	1	4	8	2	3	2	3	11	5	6	2	4	7	11	8	3	3	5	
	5%	5%	6%	5%	6%	3%	9%	4%	15%	4%	4%	11%	9%	3%	3%	3%	3%	11%	3%	4%	2%	8%	9%	8%	4%	3%	8%	4%	
																		StU						yz					
Don't know	33	9	8	10	17	14	7	2	1	20	-	3	6	6	8	3	5	10	10	6	5	1	2	3	14	7	3	9	
	7%	6%	5%	6%	6%	6%	6%	4%	4%	6%		9%	6%	6%	9%	4%	5%	10%	7%	4%	6%	2%	3%	3%	7%	7%	8%	7%	
																						x			x			x	

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25G.Virginia Aquarium & Marine Science Center (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	498	117	68	120	18	30	145	93	219	68	102	395	142	194	161	142	147	80	20
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	484	113	65	113	18	30	145	93	215	58	103	381	136	184	161	138	146	80	19
A lot	239	43	31	69	10	13	72	50	106	29	50	189	70	102	70	67	86	34	5
	48%	37%	46%	57%	55%	45%	50%	54%	48%	43%	49%	48%	50%	53%	43%	47%	58%	43%	28%
				B			B										RS		
Some	161	56	21	23	4	11	47	24	76	21	34	130	44	59	56	46	41	31	7
	32%	48%	30%	20%	24%	35%	32%	26%	35%	31%	33%	33%	31%	30%	35%	33%	28%	39%	37%
		CDEG					D												
TOP 2 (A lot + Some)	401	99	52	92	14	24	119	74	181	51	84	319	114	161	126	113	127	66	13
	80%	85%	76%	77%	80%	80%	82%	80%	83%	74%	82%	81%	81%	83%	78%	80%	87%	82%	65%
							s												
Only a little	39	5	11	8	2	3	10	5	18	7	9	26	16	12	16	11	11	5	1
	8%	4%	17%	6%	11%	11%	7%	6%	8%	11%	8%	7%	11%	6%	10%	8%	7%	7%	4%
			BDg																
Not at all	25	5	2	6	-	1	11	4	9	7	5	21	6	7	9	9	4	1	3
	5%	5%	4%	5%		3%	7%	4%	4%	11%	5%	5%	4%	4%	6%	6%	3%	1%	13%
Don't know	33	7	3	14	2	2	5	10	11	3	4	28	6	13	10	8	5	8	3
	7%	6%	4%	12%	9%	6%	3%	11%	5%	4%	4%	7%	4%	7%	6%	6%	3%	10%	18%
				CG				ik										q	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
25H.Virginia Coastal Zone Management Program (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	480	150	152	147	238	226	99	25	22	328	21	33	88	73	68	81	96	101	166	117	83	52	71	123	177	102	41	143
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	478	154	146	148	238	224	76	14	18	359	20	30	61	75	69	102	104	95	169	117	85	44	72	116	178	105	44	149
A lot	176	72	47	49	72	99	42	11	9	117	6	12	39	28	24	30	38	34	60	48	32	31	35	66	60	29	13	42
	37%	48%	31%	33%	30%	44%	42%	46%	43%	36%	29%	35%	45%	38%	35%	37%	40%	33%	36%	41%	39%	59%	49%	53%	34%	28%	32%	29%
		CD				E																A1B1 YZ	a1B1 YZ	A1B1 YZ				
Some	164	49	51	52	91	66	26	8	8	112	8	11	32	23	23	26	32	34	59	38	27	12	20	32	67	42	9	51
	34%	33%	33%	36%	38%	29%	26%	31%	34%	34%	37%	34%	36%	32%	34%	33%	34%	34%	36%	32%	33%	23%	28%	26%	38%	41%	22%	35%
					F																			vXA1	A1B1 VwX		XA1	
TOP 2 (A lot + Some)	340	121	98	101	164	165	68	19	17	230	14	23	71	51	47	56	70	68	119	86	60	43	55	97	127	71	22	93
	71%	81%	65%	69%	69%	73%	69%	78%	77%	70%	66%	69%	81%	70%	69%	70%	73%	67%	72%	73%	72%	82%	77%	79%	72%	69%	53%	65%
		CD																				A1B1 z	A1b1	A1B1 z	A1 a1b1		a1	
Only a little	58	11	15	25	32	25	14	4	3	40	4	4	5	13	7	11	8	10	22	16	8	4	9	13	22	12	5	18
	12%	8%	10%	17%	13%	11%	15%	14%	15%	12%	19%	13%	6%	17%	10%	14%	9%	10%	13%	13%	10%	7%	13%	10%	12%	12%	13%	12%
				B										M		m												
Not at all	20	4	10	5	13	6	5	2	-	12	1	1	3	4	2	1	5	2	9	3	6	1	2	3	8	5	4	9
	4%	3%	7%	3%	6%	3%	6%	8%		4%	4%	3%	3%	6%	3%	1%	5%	2%	5%	2%	7%	2%	3%	2%	5%	5%	9%	6%
																					r						vx	x
Don't know	62	12	28	17	29	29	11	-	2	47	2	5	9	6	12	12	13	22	16	13	9	5	5	10	20	14	10	24
	13%	8%	18%	11%	12%	13%	11%		9%	14%	11%	15%	10%	8%	18%	15%	13%	21%	10%	11%	11%	9%	8%	8%	11%	14%	24%	17%
			B											n				Stu								vwxy	wX	

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25H.Virginia Coastal Zone Management Program (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	480	111	69	100	24	30	145	96	216	68	85	374	148	183	160	134	150	84	21
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	478	108	71	97	25	32	145	95	215	64	89	370	142	176	164	136	151	86	20
A lot	176	45	21	43	8	13	46	38	88	20	28	143	47	64	53	58	69	21	2
	37%	41%	31%	43%	33%	42%	32%	39%	41%	29%	33%	38%	32%	35%	33%	43%	46%	25%	12%
				g					j							o	RS		
Some	164	41	25	27	13	11	47	28	73	29	28	128	52	65	59	40	52	37	4
	34%	37%	36%	27%	55%	36%	33%	29%	34%	43%	33%	34%	36%	35%	37%	30%	35%	44%	19%
					CDG				h								S		
TOP 2 (A lot + Some)	340	87	46	70	21	24	93	66	161	49	57	271	100	129	112	98	121	58	6
	71%	78%	67%	69%	89%	78%	64%	68%	74%	72%	67%	73%	68%	71%	70%	73%	80%	69%	30%
		G			CDG												rS	S	
Only a little	58	14	10	9	1	3	22	10	28	8	12	44	21	23	18	17	15	11	7
	12%	12%	14%	9%	3%	9%	15%	10%	13%	12%	14%	12%	14%	12%	11%	13%	10%	12%	35%
		e	e				E												Qr
Not at all	20	5	3	3	-	2	7	3	10	2	5	19	3	4	9	7	1	4	4
	4%	4%	4%	3%		6%	5%	3%	5%	3%	6%	5%	2%	2%	6%	5%	1%	5%	17%
												m			n		q	q	
Don't know	62	7	10	18	2	2	23	19	17	9	12	40	24	28	21	12	13	11	4
	13%	6%	15%	18%	8%	8%	16%	19%	8%	13%	14%	11%	16%	15%	13%	9%	9%	14%	18%
			b	B			B	I											

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
25I.Virginia Department of Environmental Quality (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	493 100	168 100	158 100	138 100	236 100	234 100	105 100	33 100	29 100	328 100	18 100	24 100	102 100	79 100	73 100	79 100	94 100	102 100	155 100	128 100	91 100	50 100	82 100	132 100	186 100	97 100	38 100	135 100
Unweighted Total	483	168	154	133	232	229	79	17	22	358	18	21	68	81	73	98	103	94	154	124	96	42	79	121	183	101	40	141
A lot	198 40%	83 49% CD	56 36%	51 37%	88 37%	103 44%	46 44%	16 47%	11 37%	127 39%	10 55%	11 45%	46 45%	27 35%	28 38%	35 44%	38 40%	45 44%	66 43%	41 32%	41 45%	32 65%	48 59%	80 61%	69 37%	33 34%	7 18%	40 29%
Some	190 39%	59 35%	63 40%	58 42%	92 39%	91 39%	34 32%	14 43%	14 48%	132 40%	5 29%	10 42%	40 39%	34 43%	30 40%	29 37%	35 38%	36 35%	57 37%	56 44%	36 39%	10 20%	25 30%	35 26%	75 40%	46 47%	17 44%	63 46%
TOP 2 (A lot + Some)	388 79%	142 85% C	119 76%	109 79%	180 76%	194 83% e	80 76%	30 89%	24 85%	260 79%	16 84%	21 87%	86 84%	61 78%	58 79%	64 81%	73 78%	81 79%	123 79%	97 76%	77 84%	43 85%	73 89%	115 87%	144 78%	79 81%	23 62%	102 76%
Only a little	50 10%	13 8%	22 14% b	13 9%	27 11%	21 9%	14 13%	2 5%	3 11%	33 10% H	2 11%	1 4%	10 10%	9 11%	5 7%	8 10%	8 8%	8 8%	14 9%	18 14%	8 9%	5 9%	5 6%	10 7%	21 11%	11 11%	5 14%	16 12%
Not at all	16 3%	2 1%	6 4%	6 5%	12 5%	-	2 2%	-	-	11 3%	1 5%	-	-	3 4%	2 3%	3 3%	5 6%	2 2%	7 4%	3 3%	2 2%	1 2%	-	1 1%	6 3%	3 3%	4 12% VX	7 5% X
Don't know	38 8%	11 6%	11 7%	11 8%	17 7%	18 8%	9 8%	2 6%	1 3%	25 8%	-	2 9%	6 6%	6 7%	9 12%	5 6%	8 8%	11 11%	11 7%	10 7%	4 5%	2 4%	4 5%	6 5%	14 8%	5 5%	5 12%	9 7%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25I.Virginia Department of Environmental Quality (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	493	121	77	113	15	27	140	107	217	77	76	377	150	182	158	148	159	81	29
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	483	119	75	106	15	26	142	103	219	66	80	372	140	173	156	150	156	79	28
A lot	198	49	20	52	3	15	58	51	83	35	28	151	66	89	52	55	86	20	6
	40%	41%	26%	47%	23%	57%	42%	47%	38%	46%	36%	40%	44%	49%	33%	37%	54%	24%	20%
		C		Ce		CE	C							OP			RS		
Some	190	52	38	33	10	5	52	32	94	26	32	145	63	60	67	62	51	40	10
	39%	43%	50%	29%	66%	19%	37%	30%	44%	34%	43%	38%	42%	33%	43%	42%	32%	50%	33%
		DF	DFg		bDFG		F		H		h				n		Q		
TOP 2 (A lot + Some)	388	101	58	85	13	20	110	82	177	61	60	296	129	149	120	118	137	60	15
	79%	83%	75%	76%	88%	76%	79%	77%	82%	80%	79%	78%	86%	82%	76%	80%	87%	74%	53%
													L				RS	s	
Only a little	50	6	13	15	1	3	13	13	23	5	9	38	12	17	23	9	10	11	7
	10%	5%	17%	13%	6%	10%	9%	12%	11%	6%	11%	10%	8%	9%	15%	6%	6%	14%	25%
			B	B											P			q	Q
Not at all	16	5	2	1	-	2	6	2	8	2	3	15	1	-	6	9	2	2	5
	3%	4%	2%	1%		7%	4%	2%	4%	2%	4%	4%	1%		4%	6%	1%	2%	16%
							d					M							qr
Don't know	38	9	4	11	1	2	11	11	9	9	5	28	9	16	9	12	9	8	2
	8%	7%	5%	10%	5%	7%	8%	10%	4%	11%	6%	7%	6%	9%	6%	8%	5%	10%	6%
								1											

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
25J.Virginia Institute of Marine Science, or "VIMS" (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	474	141	155	148	224	235	91	33	20	326	21	36	91	75	68	80	83	97	160	123	85	37	79	116	173	101	46	148
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	468	146	152	142	219	235	69	17	16	354	18	31	65	79	66	102	91	91	159	123	87	32	76	108	172	105	49	154
A lot	203	80	53	63	88	111	39	15	6	142	12	18	39	34	36	36	35	33	79	48	39	26	49	75	76	28	14	41
	43%	57%	34%	42%	39%	47%	43%	48%	30%	44%	56%	49%	43%	45%	52%	44%	42%	34%	50%	39%	46%	70%	62%	64%	44%	27%	29%	28%
		CD			e													Rt				A1B1 YZ	A1B1 YZ	A1B1 YZ	a1B1 z			
Some	173	38	65	54	84	81	21	12	5	126	8	6	40	28	17	25	34	44	48	53	22	5	18	23	65	44	23	66
	36%	27%	42%	36%	37%	34%	24%	36%	28%	38%	39%	17%	43%	37%	25%	31%	41%	45%	30%	43%	26%	15%	23%	20%	38%	43%	49%	45%
			B							G			LO	L		l	LO	SU		SU					VWX	VWX	VWX	VWX
TOP 2 (A lot + Some)	376	118	118	117	172	192	60	27	11	268	20	24	79	62	52	61	69	77	127	101	61	31	67	98	141	71	36	108
	79%	84%	76%	79%	77%	81%	66%	84%	58%	82%	96%	66%	87%	82%	77%	75%	83%	80%	79%	82%	72%	84%	84%	84%	82%	70%	78%	73%
							20%	g		Gi	GIj		Lp			l						z	ZB1	ZB1	Zb1			
Only a little	47	14	20	12	23	24	18	2	3	28	1	7	5	7	5	10	8	8	17	16	7	5	8	13	11	16	5	20
	10%	10%	13%	8%	10%	10%	20%	6%	17%	9%	4%	19%	6%	9%	7%	12%	10%	8%	10%	13%	8%	14%	10%	11%	7%	15%	10%	14%
							hJK			H		m													Y	Y	Y	
Not at all	14	2	7	4	9	3	4	-	1	9	-	1	1	3	2	4	2	2	6	3	3	1	-	1	4	6	2	8
	3%	1%	4%	3%	4%	1%	4%		5%	3%		3%	1%	4%	3%	4%	2%	2%	4%	2%	3%	2%		1%	2%	6%	4%	5%
					f																				X	X	X	
Don't know	37	8	10	15	21	16	9	3	4	21	-	4	6	4	9	6	4	10	11	3	13	-	5	5	16	8	4	12
	8%	5%	7%	10%	9%	7%	10%	10%	20%	6%		12%	6%	5%	13%	8%	5%	10%	7%	3%	16%		6%	4%	9%	8%	8%	8%
														nq				t							x			

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25J.Virginia Institute of Marine Science, or "VIMS" (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	474	111	73	110	19	23	138	95	216	67	87	372	140	180	158	133	141	85	16
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	468	108	74	105	19	23	139	94	219	59	87	364	137	173	159	134	138	85	16
A lot	203	45	28	55	11	13	51	37	94	31	39	162	57	73	65	63	74	26	4
	43%	41%	38%	50%	59%	55%	37%	39%	44%	47%	45%	44%	40%	40%	41%	48%	53%	31%	26%
				g	g												RS		
Some	173	43	30	29	5	7	58	33	78	23	33	138	53	74	63	37	46	42	4
	36%	38%	42%	26%	28%	32%	42%	35%	36%	35%	38%	37%	38%	41%	40%	28%	33%	50%	23%
		d	D				D							P	P		QS		
TOP 2 (A lot + Some)	376	88	59	84	16	20	110	70	172	54	72	300	109	146	128	100	120	68	8
	79%	79%	80%	76%	87%	87%	79%	74%	80%	81%	83%	81%	78%	81%	81%	76%	85%	80%	49%
																	S	S	
Only a little	47	12	8	13	-	2	13	11	24	9	4	34	17	17	17	14	7	8	5
	10%	10%	10%	12%		9%	10%	11%	11%	13%	5%	9%	12%	9%	11%	10%	5%	9%	28%
								k	K	k									q
Not at all	14	3	3	3	-	-	5	1	10	-	3	12	4	4	4	6	2	4	2
	3%	3%	4%	3%			4%	1%	5%		3%	3%	3%	2%	2%	5%	2%	5%	10%
								H											
Don't know	37	9	4	11	2	1	10	13	10	4	8	26	10	14	10	12	11	5	2
	8%	8%	6%	10%	13%	4%	7%	14%	4%	6%	9%	7%	7%	8%	6%	9%	8%	6%	13%
								Ij											

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 25K.Virginia Department of Conversation and Recreation (How much would you trust information about plastic pollution
 that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	482 100	162 100	149 100	135 100	225 100	242 100	89 100	33 100	18 100	345 100	25 100	29 100	92 100	78 100	81 100	72 100	89 100	99 100	159 100	127 100	82 100	50 100	81 100	131 100	182 100	85 100	44 100	129 100
Unweighted Total	479	164	146	134	222	242	68	17	16	373	21	26	65	83	80	92	96	95	163	123	84	42	83	125	179	87	48	135
A lot	193 40%	81 50% Cd	47 31%	54 40%	84 37%	107 44%	37 42%	13 40%	13 71% GHJK	136 39%	8 31%	10 35%	38 41%	37 47%	37 45%	30 41%	34 38%	35 35%	69 44%	46 36%	38 46%	26 52% A1B1 Z	39 48% A1B1 Z	65 50% A1B1 Z	79 44% A1B1 Z	27 31%	10 22%	36 28%
Some	178 37%	53 33%	60 40%	48 36%	86 38%	82 34%	26 29%	7 22%	4 24%	134 39%	9 35%	9 31%	38 41%	25 31%	31 38%	25 34%	33 37%	38 39%	53 33%	49 39%	30 37%	10 19%	28 35% vx	38 29% v	62 34% v	39 46% Vxy	20 46% VX	59 46% VXY
TOP 2 (A lot + Some)	371 77%	134 83% C	106 71%	103 76%	169 75%	189 78%	63 71%	21 63%	17 95% GHJK	270 78%	16 66%	19 66%	76 82%	62 79%	68 84% l	55 76%	67 75%	73 74%	122 77%	95 74%	67 83%	36 71%	67 83% al	103 79%	141 78%	66 77%	30 68%	95 74%
Only a little	66 14%	17 11%	25 17%	21 15%	30 13%	34 14%	16 18%	11 33% j	-	43 12%	6 25%	9 31% Mno	9 10%	11 14% o	4 5%	11 15% o	13 15% o	14 14%	22 14%	22 17%	8 10%	10 21% wxz	7 8%	17 13% w	30 16% wz	7 9%	8 19% w	16 12%
Not at all	14 3%	2 1%	8 6% B	3 2%	13 6% F	1 *% F	5 5%	-	-	8 2%	2 9%	-	3 4%	2 3%	2 2%	2 2%	2 2%	-	8 5%	4 3%	2 2%	3 6%	-	3 2%	3 2%	3 4%	3 6%	6 5%
Don't know	31 6%	9 5%	9 6%	9 7%	12 5%	18 7%	5 5%	2 5%	1 5%	24 7%	-	1 3%	4 4%	4 5%	7 9%	5 7%	7 8%	11 12% s	8 5%	7 5%	4 6%	1 3%	7 9%	8 6%	8 4%	8 10% v	3 7%	11 9% v

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25K.Virginia Department of Conversation and Recreation (How much would you trust information about plastic pollution
 that comes from each of these sources?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwt	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	482	117	60	107	17	28	153	84	215	67	103	379	136	173	167	138	137	71	27
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	479	112	60	104	16	30	157	82	216	61	106	374	135	170	168	138	138	71	27
A lot	193	46	24	44	8	11	60	38	88	26	38	150	53	80	58	53	66	15	8
	40%	40%	40%	41%	46%	41%	39%	46%	41%	39%	37%	40%	39%	46%	35%	38%	49%	22%	30%
														o			Rs		
Some	178	43	26	38	9	7	55	25	83	23	39	142	49	59	70	49	49	32	10
	37%	36%	43%	36%	54%	24%	36%	29%	39%	34%	38%	38%	36%	34%	42%	35%	36%	44%	36%
			f		F														
TOP 2 (A lot + Some)	371	89	50	82	17	18	115	63	172	49	77	292	103	139	128	102	116	47	18
	77%	76%	83%	77%	100%	65%	75%	75%	80%	73%	75%	77%	75%	80%	77%	74%	85%	66%	66%
			f		BCDFG												Rs		
Only a little	66	19	6	14	-	5	22	8	29	13	15	52	22	17	29	18	13	18	7
	14%	16%	10%	13%		19%	14%	10%	14%	20%	14%	14%	16%	10%	17%	13%	9%	26%	27%
															n			Q	q
Not at all	14	4	2	1	-	1	6	5	5	2	3	12	5	2	3	9	1	1	1
	3%	3%	3%	1%		3%	4%	6%	2%	3%	3%	3%	3%	1%	2%	6%	1%	1%	3%
							d									No			
Don't know	31	5	2	10	-	3	10	7	9	3	8	23	7	15	7	9	7	5	1
	6%	4%	3%	10%		12%	7%	8%	4%	4%	8%	6%	5%	9%	4%	7%	5%	7%	4%
														o					

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 25L.Virginia Department of Wildlife Resources (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	493 100	166 100	154 100	146 100	234 100	245 100	99 100	43 100	31 100	327 100	19 100	35 100	85 100	95 100	79 100	76 100	91 100	98 100	157 100	133 100	90 100	54 100	74 100	128 100	194 100	93 100	40 100	133 100
Unweighted Total	485	171	152	136	225	245	77	22	26	357	18	29	57	98	77	94	99	94	162	123	92	47	72	119	192	97	41	138
A lot	237 48%	91 55%	71 46%	65 44%	99 43%	131 53%	45 45%	18 43%	14 46%	168 51%	7 36%	9 27%	45 53%	48 51%	40 51%	41 54%	46 50%	50 50%	76 48%	63 47%	43 48%	32 60%	47 64%	80 62%	91 47%	39 42%	15 37%	54 41%
						E							L	L	L	L	L					A1B1 Z	A1B1 YZ	A1B1 YZ				
Some	160 33%	49 30%	50 32%	51 35%	80 34%	75 31%	27 27%	15 36%	7 23%	109 33%	7 37%	13 37%	27 32%	33 35%	22 28%	22 29%	33 37%	22 22%	57 36%	43 33%	35 38%	11 21%	15 20%	26 21%	67 34%	36 38%	15 37%	51 38%
																			R		R				VWX	VWX	wx	VWX
TOP 2 (A lot + Some)	398 81%	141 85%	120 78%	116 79%	180 77%	206 84%	72 73%	34 79%	21 69%	277 84%	14 73%	22 64%	72 84%	81 86%	62 79%	63 83%	79 87%	72 73%	133 84%	106 80%	78 87%	44 81%	62 84%	106 83%	158 81%	75 81%	30 74%	105 79%
						e				Gi			l	L		l	L		R		R							
Only a little	49 10%	13 8%	21 13%	14 10%	29 12%	19 8%	16 16%	4 9%	5 18%	26 8%	3 15%	6 17%	8 10%	8 8%	7 9%	8 11%	5 5%	15 15%	15 10%	13 10%	4 4%	7 14%	6 8%	14 11%	22 11%	8 9%	4 9%	12 9%
							j											u	u	u								
Not at all	16 3%	2 1%	7 5%	6 4%	10 4%	4 2%	1 1%	2 5%	2 7%	9 3%	2 12%	1 4%	4 5%	-	2 3%	2 2%	2 2%	2 2%	2 1%	4 3%	5 6%	1 3%	-	1 1%	4 2%	3 3%	4 10%	7 5%
						f															s					Xy	X	
Don't know	31 6%	10 6%	6 4%	11 7%	15 6%	15 6%	10 10%	3 8%	2 6%	15 5%	-	5 15%	1 1%	6 6%	7 9%	3 5%	5 6%	9 10%	7 5%	9 7%	3 4%	1 2%	5 7%	7 5%	11 6%	7 7%	3 7%	10 7%
												M		M														

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25L.Virginia Department of Wildlife Resources (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	493	127	69	117	17	25	138	88	223	66	103	371	157	201	146	145	142	86	21
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	485	122	68	110	17	25	143	86	221	60	105	368	148	191	148	145	145	85	21
A lot	237	60	33	63	12	14	55	43	110	32	48	181	70	100	63	75	85	33	3
	48%	47%	48%	54%	70%	56%	40%	49%	49%	48%	46%	49%	45%	50%	43%	51%	60%	39%	12%
				G	bCG												RS	S	
Some	160	47	17	31	4	7	54	24	75	20	37	121	55	68	54	38	40	33	8
	33%	37%	25%	26%	22%	28%	39%	27%	34%	31%	36%	32%	35%	34%	37%	26%	28%	38%	40%
		cd					CD								p				
TOP 2 (A lot + Some)	398	107	50	94	16	21	109	67	185	52	85	302	125	168	117	113	125	67	11
	81%	84%	73%	80%	93%	84%	79%	76%	83%	79%	83%	81%	79%	84%	80%	78%	88%	77%	52%
		c			Cdg												rS	S	
Only a little	49	7	13	10	1	1	15	8	21	11	9	38	19	17	15	16	14	9	6
	10%	6%	19%	9%	7%	4%	11%	9%	10%	16%	8%	10%	12%	9%	10%	11%	10%	10%	29%
			BdF																qr
Not at all	16	5	2	2	-	-	6	3	6	1	4	12	2	1	7	7	-	4	2
	3%	4%	3%	2%			5%	4%	3%	2%	4%	3%	1%	1%	5%	5%		5%	9%
								m							N	N			
Don't know	31	8	3	11	-	3	6	10	11	2	6	19	12	14	7	9	3	7	2
	6%	6%	5%	9%		13%	5%	11%	5%	3%	5%	5%	7%	7%	4%	6%	2%	8%	9%
								ij										q	

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 25M.Virginia Plastic Pollution Prevention Network (How much would you trust information about plastic pollution that comes from each of these sources?)

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	454 100	144 100	148 100	137 100	216 100	223 100	93 100	43 100	28 100	297 100	19 100	36 100	79 100	69 100	75 100	73 100	90 100	93 100	154 100	119 100	75 100	50 100	70 100	119 100	181 100	91 100	34 100	124 100
Unweighted Total	443	143	144	131	206	221	70	23	22	324	17	29	53	71	74	91	97	88	155	114	75	43	69	112	172	95	35	130
A lot	129 28%	53 37% Cd	36 24%	35 25%	52 24%	74 33% E	29 32%	14 32%	7 27%	85 28%	8 42%	12 34%	22 28%	26 38% Pq	25 33% p	15 21%	23 25%	28 30%	47 31% t	25 21%	26 34% t	17 35% a1B1 z	32 46% A1B1 YZ	50 42% A1B1 YZ	52 29% ZB1	16 18%	6 18%	22 18%
Some	171 38%	54 37%	51 34%	54 39%	80 37%	85 38%	30 32%	13 31%	12 45% k	113 38% k	3 17%	10 27%	32 41%	28 41%	26 35%	28 39%	36 40%	33 35%	60 39% u	54 45% U	21 27%	16 32%	21 30%	37 31%	67 37%	42 46% WX	13 40%	56 45% WX
TOP 2 (A lot + Some)	300 66%	106 74% C	86 58%	88 65%	132 61%	159 71% E	59 64%	27 63%	20 71%	198 66%	11 59%	22 61%	54 68%	55 79% 1Pq	51 68%	44 59%	59 66%	60 65%	107 69%	78 66%	46 62%	33 67%	53 76% a1b1	86 72%	118 65%	58 64%	19 58%	78 62%
Only a little	62 14%	12 8%	30 20% B	18 13%	36 17%	25 11%	20 21% j	9 21%	6 21%	36 12%	6 30%	9 25% noQ	16 20% noQ	6 8%	5 7%	12 16% oq	7 7%	17 18% u	17 11% u	22 19% u	4 5%	6 12%	7 10%	13 11%	23 13%	13 14%	8 22%	20 16%
Not at all	24 5%	5 3%	11 8% b	7 5%	17 8% F	5 2%	6 7%	2 5%	1 4%	15 5%	1 6%	3 9%	2 3%	3 4%	6 8%	3 5%	4 4%	4 4%	6 4%	4 3%	9 12% rST	3 6%	1 1%	4 3%	10 5% w	5 6%	4 12% WX	9 7% w
Don't know	68 15%	21 15%	20 14%	23 17%	31 14%	34 15%	7 8%	5 12%	1 3%	49 16% GIk	1 5%	2 5%	7 9%	6 8%	13 17% l	14 20% LMN	21 23% LMN	12 13%	24 15%	15 13%	16 21%	7 15%	9 13%	16 14%	29 16%	14 16%	3 8%	17 14%

Comparison Groups: BCD/EF/GHIJK/LMNO PQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 25M.Virginia Plastic Pollution Prevention Network (How much would you trust information about plastic pollution that comes from each of these sources?)

	=====REGION=====							=====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	454	130	65	93	15	25	127	89	220	51	85	359	134	173	144	134	149	75	22
	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Unweighted Total	443	117	66	89	16	25	130	84	216	45	88	346	129	167	142	132	144	72	22
A lot	129	39	14	27	5	7	38	33	59	14	20	98	47	61	39	27	54	15	5
	28%	30%	21%	29%	34%	28%	30%	38%	27%	28%	24%	27%	35%	35%	27%	20%	36%	21%	21%
								ik					l	P			R		
Some	171	47	27	30	6	5	56	25	87	17	38	138	46	64	54	54	52	37	5
	38%	36%	42%	32%	38%	20%	44%	28%	40%	33%	45%	39%	35%	37%	37%	40%	35%	50%	21%
		f	F				dF		h		H						qS		
TOP 2 (A lot + Some)	300	86	41	57	11	12	94	58	147	31	58	236	93	125	92	81	106	53	9
	66%	66%	63%	61%	72%	47%	74%	65%	67%	61%	69%	66%	69%	72%	64%	60%	72%	70%	41%
		f					DF							P			S	S	
Only a little	62	18	10	15	2	8	10	4	33	12	14	47	19	25	20	16	17	8	5
	14%	14%	16%	16%	12%	31%	8%	4%	15%	24%	16%	13%	14%	15%	14%	12%	11%	11%	21%
				g		bG			H	H	H								
Not at all	24	11	4	3	-	1	5	5	14	1	3	18	8	6	8	10	2	3	5
	5%	8%	6%	3%		4%	4%	5%	6%	2%	3%	5%	6%	4%	5%	7%	1%	4%	21%
																			Qr
Don't know	68	15	10	19	2	4	17	22	26	7	10	57	14	17	24	27	23	11	4
	15%	12%	16%	20%	16%	18%	14%	25%	12%	13%	12%	16%	11%	10%	17%	20%	16%	15%	16%
								IK							n	N			

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 F1.How interested would you be in participating if the discussion was held at a good time for you?

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Very Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	835 100	269 100	268 100	245 100	403 100	403 100	168 100	69 100	44 100	562 100	33 100	64 100	152 100	136 100	137 100	127 100	151 100	177 100	275 100	218 100	142 100	82 100	139 100	221 100	319 100	163 100	67 100	229 100
Unweighted Total	817	271	262	234	390	399	128	37	37	608	30	54	104	142	135	158	163	167	277	208	144	70	135	205	312	168	70	238
Definitely	428 51%	165 61%	126 47%	120 49%	204 51%	215 53%	91 54%	30 44%	26 59%	295 53%	23 70%	24 38%	84 55%	77 56%	81 59%	69 54%	75 50%	92 52%	143 52%	113 52%	76 54%	66 81%	76 55%	142 64%	160 50%	91 56%	25 37%	116 51%
			CD								gHJ		L	L	L	L						A1B1 WXYZ	A1	A1B1 WY	a1	A1B1		A1
Probably	159 19%	41 15%	54 20%	50 20%	76 19%	74 18%	38 22%	17 25%	10 23%	96 17%	5 16%	22 34%	25 16%	23 17%	19 14%	22 17%	25 17%	27 15%	56 20%	40 18%	28 20%	6 7%	31 22%	37 17%	69 21%	23 14%	12 18%	35 15%
											NOPQ M											xzb1 V	V	VZb1		v	v	
About 50-50	103 12%	24 9%	30 11%	39 16%	51 13%	44 11%	14 8%	12 17%	5 12%	69 12%	3 10%	10 16%	19 12%	16 11%	11 8%	12 10%	17 11%	25 14%	38 14%	21 10%	12 8%	4 5%	12 8%	15 7%	49 15%	12 7%	11 16%	22 10%
				B																			xzb1 VW		xzb1 V	z		
Not interested	145 17%	39 15%	58 22%	35 14%	71 18%	69 17%	26 16%	10 15%	3 7%	102 18%	1 4%	8 12%	24 16%	21 15%	26 19%	24 19%	33 22%	32 18%	39 14%	44 20%	26 18%	6 8%	21 15%	27 12%	42 13%	37 23%	19 29%	56 25%
			BD				1K	k		IK															VWXY	VWXY	VWXY	

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 F1.How interested would you be in participating if the discussion was held at a good time for you?

	=====REGION=====						====COMMUNITY TYPE=====				===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=			
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	835 100	212 100	116 100	187 100	29 100	47 100	244 100	161 100	387 100	107 100	159 100	640 100	264 100	332 100	268 100	230 100	248 100	140 100	38 100
Unweighted Total	817	203	115	177	30	47	245	157	386	92	161	624	252	319	269	225	247	137	37
Definitely	428 51%	103 49%	61 52%	99 53%	15 54%	21 45%	128 53%	90 56%	201 52%	60 57%	73 46%	334 52%	133 50%	177 53%	131 49%	118 51%	117 47%	67 48%	23 62%
Probably	159 19%	46 22% f	23 20%	32 17%	6 22%	5 11%	46 19%	25 16%	75 19%	21 20%	31 19%	123 19%	49 19%	55 17%	63 23% N	41 18%	47 19%	26 19%	7 18%
About 50-50	103 12%	32 15%	12 10%	22 12%	3 9%	8 17%	27 11%	19 12%	45 12%	12 11%	22 14%	78 12%	33 13%	38 12%	32 12%	32 14%	42 17% s	21 15%	3 8%
Not interested	145 17%	31 15%	21 18%	34 18%	4 15%	12 26% b	43 17%	27 17%	66 17%	13 13%	34 21% j	105 16%	49 18%	62 19%	43 16%	39 17%	42 17%	27 19%	5 13%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
C1.Which one of these best describes your community?

	===PARTY ID===			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	35- Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	892 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	878	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Rural	182 20%	50 17%	70 25% B	55 20%	77 18%	103 23% e	28 15%	7 9%	6 13%	148 24% GHIK	5 14%	13 20%	31 19%	33 22%	36 24%	30 21%	35 21%	52 28% TU	74 25% TU	42 17% U	14 9%	10 11%	26 18%	36 15%	64 19%	44 24% VX	27 36% YZb1 VWX	28% WXYZ V
Small town	121 14%	29 10%	49 17% Bd	32 12%	60 14%	58 13%	27 15%	20 28% Gij	6 14%	78 13%	7 18%	8 13%	35 22% NOPQ	17 11%	19 12%	15 11%	13 8%	39 21% STU	44 15% TU	25 10%	11 7%	18 20% yZb1	23 16% Zb1	42 18% yZb1	43 12%	16 9%	9 11%	24 10%
Suburban	408 46%	139 47%	122 43%	131 48%	207 47%	194 44%	79 43%	37 52%	20 43%	278 45%	16 43%	23 36%	63 39%	67 45%	65 43%	77 54% LMo	88 53% LMo	52 28%	122 41% R	132 54% RS	97 61% RS	30 33%	68 46% vx	98 41% v	168 48% V	93 52% VX	31 41%	124 48% V
Urban, or a city	175 20%	74 25% C	40 14%	53 20% c	89 20%	84 19%	48 26% HJ	7 10%	14 30% H	105 17%	9 25% h	19 29% Pq	31 19%	34 23% p	30 20%	22 15%	27 16%	36 20%	54 19%	47 19%	38 23%	32 36% A1B1 WXYZ	29 20%	61 26% A1B1 WZ	72 21% A1B1 Z	25 14%	9 12%	34 13%
Not sure or prefer not to say	6 1%	1 *%	3 1%	-	4 1%	2 *%	1 1%	-	-	4 1%	-	1 2%	1 1%	-	1 1%	-	2 1%	5 3% t	-	1 *%	-	-	1 1%	1 *%	-	2 1%	-	2 1%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
C1. Which one of these best describes your community?

	=====REGION=====							====COMMUNITY TYPE=====				===DRINK TAP WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	892 100	218 100	128 100	198 100	37 100	49 100	262 100	175 100	408 100	121 100	182 100	689 100	272 100	346 100	282 100	258 100	266 100	150 100	41 100
Unweighted Total	878	209	127	189	37	50	266	172	407	108	185	677	260	333	284	257	266	148	40
Rural	182 20%	6 3%	14 11% B	18 9% B	12 32% BCD	27 56% BCDEG	105 40% BCD	-	-	-	182 100%	128 19%	54 20%	79 23% p	61 22%	42 16%	53 20%	36 24%	7 18%
Small town	121 14%	6 3%	12 9% B	21 10% B	5 13% b	13 26% BCD	64 24% BCDe	-	-	121 100%	-	89 13%	51 19% L	51 15%	36 13%	32 13%	34 13%	16 11%	9 22%
Suburban	408 46%	157 72% CDEFG	69 54% FG	92 46% FG	19 52% FG	6 13%	65 25% F	-	408 100%	-	-	337 49% M	105 39%	137 40%	134 47% n	135 52% N	122 46%	77 51%	18 44%
Urban, or a city	175 20%	48 22% EFG	34 26% EFG	63 32% BEFG	1 4%	3 5%	27 10% e	175 100%	-	-	-	131 19%	61 22%	77 22%	50 18%	48 19%	56 21% r	21 14%	7 17%
Not sure or prefer not to say	6 1%	1 *%	-	5 2% g	-	-	1 *%	-	-	-	-	4 1%	1 *%	2 1%	2 1%	1 *%	1 *%	-	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
C2.what is your age?

	==PARTY ID==			=GENDER==			=====RACE/ETHNICITY=====					=====AGE=====					=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====							
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL Prog	Mode PROG	Very rate	ALL Cons	Mode Cons	Very ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	892 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	878	296	279	261	425	439	140	38	39	666	33	55	111	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Less than 25	65 7%	26 9%	11 4%	24 9%	24 5%	39 9%	26 14%	14 20%	7 14%	28 5%	5 13%	65 100%	-	-	-	-	-	23 12%	24 8%	14 6%	2 1%	11 13%	19 13%	30 13%	21 6%	5 3%	1 2%	6 2%
		C		C		E	J	J										TU	U	U		A1B1 Z	A1B1 YZ	A1B1 YZ	A1B1 Z			
25 to 34	161 18%	49 17%	41 14%	57 21%	77 18%	81 18%	43 23%	11 15%	18 40%	98 16%	8 21%	-	161 100%	-	-	-	-	39 21%	50 17%	51 21%	20 13%	31 35%	21 14%	52 22%	65 19%	24 13%	4 6%	28 11%
				C			J		GHJK									U		U		A1B1 WXYZ	A1 WZ	A1B1 Z	A1B1 Z			A1
35 to 44	151 17%	54 18%	42 15%	48 18%	65 15%	85 19%	28 15%	17 24%	8 16%	105 17%	3 9%	-	-	151 100%	-	-	-	27 14%	44 15%	52 21%	27 17%	16 18%	20 13%	35 15%	77 22%	25 14%	7 9%	32 12%
								k																A1B1 WXZ				
45 to 54	151 17%	52 18%	51 18%	46 17%	85 19%	65 15%	31 17%	11 16%	8 17%	108 18%	8 21%	-	-	-	151 100%	-	-	25 14%	46 16%	46 19%	34 21%	10 11%	32 22%	42 18%	63 18%	26 15%	15 20%	41 16%
					f																r							
55 to 64	143 16%	49 17%	58 20%	32 12%	68 16%	75 17%	19 11%	4 6%	2 3%	114 19%	5 13%	-	-	-	143 100%	-	-	27 15%	57 20%	31 13%	27 17%	7 8%	17 11%	24 10%	55 16%	41 23%	18 23%	59 23%
			D				i			GHI									t									
65 or older	166 19%	50 17%	64 22%	52 19%	86 20%	79 18%	19 10%	2 2%	1 2%	142 23%	3 7%	-	-	-	-	166 100%	26 14%	59 20%	40 16%	39 25%	6 6%	26 18%	32 14%	52 15%	54 30%	25 34%	79 31%	
							HI			GHIK										Rt			VX	V	V	VWXYZ	VWXYZ	VWXYZ
Prefer not to say	55 6%	13 4%	18 6%	12 4%	32 7%	18 4%	17 9%	12 17%	3 7%	20 3%	6 15%	-	-	-	-	-	-	17 9%	12 4%	13 5%	11 7%	9 10%	14 9%	10 10%	13 4%	6 3%	5 7%	11 4%
					F		J	J			j							St				yz	YZb1	YZB1				

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 C2.what is your age?

	=====REGION=====							====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	892 100	218 100	128 100	198 100	37 100	49 100	262 100	175 100	408 100	121 100	182 100	689 100	272 100	346 100	282 100	258 100	266 100	150 100	41 100
Unweighted Total	878	209	127	189	37	50	266	172	407	108	185	677	260	333	284	257	266	148	40
Less than 25	65 7%	22 10% Fg	8 6%	18 9% F	-	1 3%	15 6%	19 11% i	23 6%	8 7%	13 7%	43 6%	33 12% L	27 8%	20 7%	17 7%	19 7%	7 5%	-
25 to 34	161 18%	39 18%	25 19%	35 18%	5 14%	7 15%	50 19%	31 18%	63 16%	35 29% HIK	31 17%	132 19%	53 19%	67 19%	45 16%	50 19%	49 18%	24 16%	5 11%
35 to 44	151 17%	43 20% Cd	14 11%	25 13%	9 25% c	6 12%	53 20% CD	34 19%	67 16%	17 14%	33 18%	109 16%	53 20%	72 21% P	45 16%	32 12%	45 17%	29 19%	11 27%
45 to 54	151 17%	35 16%	28 22% d	28 14%	8 23%	7 14%	44 17%	30 17%	65 16%	19 15%	36 20%	120 17%	41 15%	54 16%	53 19%	44 17%	45 17%	26 17%	9 23%
55 to 64	143 16%	29 13%	21 16%	32 16%	8 23%	10 21%	44 17%	22 12%	77 19% h	15 13%	30 16%	110 16%	39 14%	53 15%	42 15%	48 18%	47 18%	22 15%	5 12%
65 or older	166 19%	34 16%	24 19%	46 23% bg	6 15%	15 30% BG	41 15%	27 16%	88 22% hJ	13 11%	35 20% j	132 19% M	35 13%	52 15%	61 22% N	53 21%	46 17%	31 21%	9 22%
Prefer not to say	55 6%	15 7%	8 6%	14 7%	-	3 6%	15 6%	13 7% K	25 6% K	14 11% iK	3 2%	44 6%	19 7%	23 7%	16 6%	14 6%	16 6%	10 7%	2 5%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
C3.what is the last grade in school that you completed?

	===PARTY ID===			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	891 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	160 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	877	296	279	261	425	439	140	38	39	666	33	55	110	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Less than 12th grade	14 2%	4 2%	3 1%	3 1%	7 2%	6 1%	5 3%	-	-	10 2%	1 2%	1 2%	1 1%	4 3%	1 1%	3 2%	1 *%	14 8%	-	-	-	-	3 2%	3 1%	5 2%	1 *%	1 1%	2 1%
High school diploma or GED	170 19%	48 16%	74 26% BD	44 16%	83 19%	84 19%	43 24%	10 14%	14 30%	111 18%	9 26%	22 33% NOPQ	38 24% n	22 15%	24 16%	24 17%	26 15%	170 92%	-	-	-	19 21%	18 13%	37 16%	65 19% w	39 22% w	13 18%	53 21% w
Some college or 2-year degree	294 33%	95 32%	93 33%	90 33%	132 30%	155 35%	69 38% H	10 14%	14 30% h	205 33% H	13 36% H	24 38%	50 31%	44 29%	46 31%	57 40% No	59 36%	-	294 100%	-	-	35 39%	40 27%	75 32%	121 35%	56 31%	25 34%	81 32%
Bachelor's degree or 4-year college degree	247 28%	89 30%	73 26%	75 28%	123 28%	122 28%	39 22% GIJK	36 50%	9 19%	171 28%	7 18%	14 22%	51 32% p	52 34% lpq	46 31% p	31 22%	40 24%	-	-	247 100%	-	23 26%	47 32%	70 30%	88 25%	50 28%	28 38% Y	78 31%
Post-graduate work or advanced degree	160 18%	56 19% c	38 13%	58 22% C	88 20%	72 16%	25 14%	14 19%	8 18%	117 19%	6 15%	2 3%	20 13% L	27 18% L	34 22% LM	27 19% L	39 24% LM	-	-	-	160 100%	12 14%	37 25% A1B1 vx	49 21% vA1	68 19% A1	33 18% a1b1	7 10%	40 16% a1
Not sure or prefer not to say	6 1%	-	3 1%	1 1%	3 1%	1 *%	1 1%	2 3%	1 3%	-	1 3%	1 2%	-	2 1%	-	-	-	-	-	-	-	-	2 1%	2 1%	-	1 1%	-	1 *%

Comparison Groups: BCD/EF/GHIJK/LMNOQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
C3.what is the last grade in school that you completed?

	=====REGION=====							====COMMUNITY TYPE=====				===DRINK TAP WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT					
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwttr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	=FLOATING	TRASH=	Very	Some	Not	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)			
Total	891 100	218 100	128 100	198 100	37 100	47 100	262 100	175 100	408 100	119 100	182 100	688 100	271 100	345 100	282 100	258 100	266 100	150 100	41 100			
Unweighted Total	877	209	127	189	37	49	266	172	407	107	185	676	259	332	284	257	266	148	40			
Less than 12th grade	14 2%	1 1%	2 1%	3 2%	-	1 2%	7 3% b	2 1%	2 *%	5 4%	5 3% i	8 1%	7 3%	9 3%	4 1%	-	5 2%	1 1%	-			
High school diploma or GED	170 19%	26 12%	18 14%	38 19% B	6 17%	10 21%	71 27% BCd	35 20% I	50 12%	35 29% hI	47 26% I	123 18%	67 25% L	90 26% OP	51 18% P	28 11%	48 18%	22 15%	8 19%			
Some college or 2-year degree	294 33%	58 26%	39 30%	73 37% B	9 26%	24 50% BCEg	91 35% b	54 31%	122 30%	44 37%	74 41% hI	216 31%	106 39% L	127 37% p	87 31%	77 30%	102 38% r	43 29%	14 34%			
Bachelor's degree or 4-year college degree	247 28%	71 33% DFG	51 40% DFG	45 23%	13 37% Fg	8 16%	58 22%	47 27%	132 32% JK	25 21%	42 23%	199 29% M	62 23%	75 22%	84 30% N	88 34% N	63 24%	51 34% Q	10 24%			
Post-graduate work or advanced degree	160 18%	62 28% CDFG	18 14%	34 17%	8 21%	5 11%	34 13%	38 21% JK	97 24% JK	11 9%	14 8%	140 20% M	26 9%	39 11%	57 20% N	65 25% N	46 17%	32 22%	7 18%			
Not sure or prefer not to say	6 1%	-	1 1%	5 3%	-	-	-	-	5 1%	-	-	2 *%	3 1%	4 1%	-	-	2 1%	-	2 5%			

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
C4.Do you identify your race or ethnicity as...? Choose any that apply to you.

	====PARTY ID====			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	891 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	160 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	877	296	279	261	425	439	140	38	39	666	33	55	110	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
African-American or Black	183 21%	103 35% CD	14 5%	59 22% C	89 20%	90 20%	183 100%	8 12%	14 29% HJ	12 2%	10 28% HJ	26 40% NOPQ m	43 27% nPQ	28 18% q	31 21% pQ	19 14%	19 11%	48 26% TU	69 23% TU	39 16%	25 16%	36 41% WXYZ	38 26% Z	74 31% WYZ	82 24% Z	14 8% a1b1	2 3%	16 6% a1
Asian	71 8%	24 8%	19 7%	26 9%	42 10% f	29 7%	8 5% J	71 100%	-	10 2%	6 18% GJ	14 22% NOPQ M	11 7% pQ	17 11% mPQ	11 7% PQ	4 3%	2 1%	10 6%	10 3%	36 14% RSU	14 9% S	12 14% A1B1 YZ	23 15% A1B1 YZ	35 15% A1B1 YZ	27 8% ZB1	4 2%	4 5%	7 3%
Hispanic or Latino	46 5%	14 5%	10 3%	21 8% C	21 5%	23 5%	14 7% J	-	46 100%	11 2%	1 3%	7 10% PQ	18 11% noPQ	8 5% PQ	8 5% PQ	2 1%	1 1%	14 8% t	14 5%	9 4%	8 5%	10 11% A1B1 Z	9 6% a1b1 z	19 8% A1B1 Z	21 6% A1B1 Z	3 2%	1 1%	4 1%
White	614 69%	148 51%	255 90% BD	185 68% B	296 68%	312 71%	12 7%	10 14%	11 24% G	614 100%	20 54% GHI	28 43% L	98 61% L	105 69% L	108 71% Lm	114 80% LMNO	142 85% LMNO	121 66%	205 70%	171 69%	117 73%	44 50%	87 59%	132 56%	225 65% VX	156 87% VWXYZ	71 94% YZB1 VWX	227 89% WXYZ V
Middle Eastern or North African	7 1%	3 1%	3 1%	1 1%	-	7 2%	3 1%	3 4%	-	1 *% GHJ	7 19% GHJ	1 1%	3 2%	-	-	-	-	4 2%	3 1%	-	-	3 3% b1	-	3 1%	3 1%	1 1%	-	1 *%
Native American or Alaska Native	21 2%	4 2%	5 2%	10 4%	14 3% f	6 1%	8 4% j	2 3%	1 2%	15 2% GHIJ	21 58% GHIJ	2 3%	3 2%	3 2%	7 4% Q	3 2%	2 1%	5 3%	8 3%	3 1%	4 3%	5 5%	2 1%	7 3%	6 2%	6 3%	1 1%	7 3%
Native Hawaiian or Pacific Islander	5 1%	3 1%	-	2 1%	4 1%	2 *% J	2 1%	4 6%	-	2 *% GHJ	5 14% GHJ	2 2%	1 1%	-	2 2%	-	-	-	2 1%	2 1%	1 1%	4 4% wx	1 1%	5 2% w	-	-	-	-
Something else	6 1%	3 1%	-	3 1%	4 1%	2 *% J	-	-	-	2 *% J	6 15% J	-	1 1%	1 1%	1 1%	2 1%	1 1%	2 1%	2 1%	2 1%	-	-	-	-	2 *% J	3 1%	-	3 1%
Not sure or prefer not to say	22 2%	4 1%	1 *% C	7 3% C	7 2%	10 2%	-	-	-	-	-	2 3%	3 2%	2 1%	3 2%	3 2%	3 2%	2 1%	11 4% ru	5 2%	2 1%	-	2 1%	2 1%	7 2%	4 2%	-	4 2%

Comparison Groups: BCD/EF/GHIJK/LMNO/PQRSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
C4.Do you identify your race or ethnicity as...? Choose any that apply to you.

	=====REGION=====							=====COMMUNITY TYPE=====				===DRINK TAP===		DRINK Often	BOTTLED Some- times	WTR Sel dm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	891 100	218 100	128 100	198 100	37 100	47 100	262 100	175 100	408 100	119 100	182 100	688 100	271 100	345 100	282 100	258 100	266 100	150 100	41 100
Unweighted Total	877	209	127	189	37	49	266	172	407	107	185	676	259	332	284	257	266	148	40
African-American or Black	183 21%	33 15%	40 31% BG	60 30% BG	9 25% g	10 21%	31 12%	48 27% IK	79 19%	27 23% k	28 15%	125 18%	78 29% L	105 30% OP	48 17% P	28 11%	58 22% r	23 15%	8 19%
Asian	71 8%	35 16% CDEFG	3 3%	17 9% CFG	2 4%	1 3%	13 5% c	7 4%	37 9% HK	20 17% HIK	7 4%	60 9%	22 8%	21 6%	17 6%	32 12% NO	20 8%	11 7%	4 9%
Hispanic or Latino	46 5%	21 10% cdFG	1 1%	9 5% C	3 9% c	2 3%	10 4% c	14 8% k	20 5%	6 5%	6 3%	31 5%	20 7% l	24 7% O	6 2%	16 6% O	14 5%	7 4%	4 9%
White	614 69%	135 62%	81 63%	120 61%	25 69%	34 71%	218 83% BCDef	105 60%	278 68% h	78 66%	148 81% HIJ	496 72% M	150 55%	202 59%	213 75% N	197 76% N	180 67%	105 70%	28 68%
Middle Eastern or North African	7 1%	3 1%	-	4 2%	-	-	-	1 1%	4 1%	3 2%	-	6 1%	3 1%	1 *% np	5 2%	1 *% np	-	-	-
Native American or Alaska Native	21 2%	7 3%	3 3%	5 2%	-	2 5%	4 1%	4 2%	10 2%	2 2%	5 3%	17 2%	6 2%	11 3% o	3 1%	7 3%	8 3% r	1 1%	3 7%
Native Hawaiian or Pacific Islander	5 1%	3 1%	-	2 1%	-	-	-	2 1%	1 *% np	2 2%	-	5 1%	-	2 1%	1 *% np	2 1%	-	1 1%	-
Something else	6 1%	-	4 3%	1 *% np	-	-	1 *% np	3 2%	1 *% np	2 1%	-	5 1%	1 *% np	3 1%	2 1%	1 *% np	2 1%	1 1%	-
Not sure or prefer not to say	22 2%	3 2%	3 3%	9 4% g	2 5%	2 4%	3 1%	6 3%	9 2%	3 2%	4 2%	15 2%	9 3%	9 2%	5 2%	8 3%	5 2%	8 5% q	1 2%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 C5.what is your gender identity?

	===PARTY ID===			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	35- Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	891 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	160 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	877	296	279	261	425	439	140	38	39	666	33	55	110	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Male	436 49%	129 44%	143 50%	148 55%	436 100%	-	89 49%	42 59%	21 45%	296 48%	19 53%	24 37%	77 48%	65 43%	85 56%	68 48%	86 52%	90 49%	132 45%	123 50%	88 55%	38 43%	69 47%	107 45%	176 51%	95 53%	39 52%	135 53%
Female	441 50%	162 55%	140 49%	117 43%	-	441 100%	90 49%	29 41%	23 51%	312 51%	17 45%	39 60%	81 51%	85 56%	65 43%	75 52%	79 48%	91 49%	155 53%	122 49%	72 45%	47 52%	77 52%	124 52%	169 49%	84 47%	35 46%	119 47%
Another gender category	6 1%	1 *%	-	5 2%	-	-	2 1%	-	2 4%	3 *%	-	2 3%	2 1%	1 1%	1 1%	-	-	1 *%	4 1%	1 *%	-	5 5%	-	5 2%	1 *%	-	-	-
Prefer not to say	8 1%	1 *%	1 *%	1 *%	-	-	1 1%	-	-	3 *%	1 2%	-	-	1 1%	1 1%	-	-	2 1%	3 1%	1 *%	-	-	1 1%	1 1%	1 *%	-	1 1%	1 *%

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 C5.what is your gender identity?

	=====REGION=====						====COMMUNITY TYPE=====				DRINK TAP ===WATER===		DRINK	BOTTLED	WTR	CONCERNED ABOUT =FLOATING TRASH=			
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	891 100	218 100	128 100	198 100	37 100	47 100	262 100	175 100	408 100	119 100	182 100	688 100	271 100	345 100	282 100	258 100	266 100	150 100	41 100
Unweighted Total	877	209	127	189	37	49	266	172	407	107	185	676	259	332	284	257	266	148	40
Male	436 49%	113 52%	77 60% DFG	90 45%	17 47%	21 45%	118 45%	89 51%	207 51% k	60 50%	77 43%	359 52% M	112 42%	167 48%	134 47%	132 51%	121 46%	68 45%	27 66% QR
Female	441 50%	102 47%	49 38%	104 53% C	19 53%	26 55% C	141 54% C	84 48%	194 48%	58 49%	103 57% hI	320 46%	154 57% L	173 50%	146 52%	122 47%	142 53% S	80 54% S	14 34%
Another gender category	6 1%	2 1%	2 1%	-	-	-	2 1%	3 1%	3 1%	-	-	6 1%	-	-	1 *%	5 2%	-	1 1%	-
Prefer not to say	8 1%	2 1%	1 1%	4 2%	-	-	1 *%	-	5 1%	1 1%	1 1%	4 1%	5 2%	5 1%	2 1%	-	3 1%	1 1%	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
C6.with which political party do you identify?

	===PARTY ID===			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Very Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	891 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	160 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	877	296	279	261	425	439	140	38	39	666	33	55	110	157	149	178	180	175	297	236	164	77	143	220	342	187	79	266
Democratic	293 33%	293 100%	-	-	129 30%	162 37%	103 56%	24 34%	14 30%	148 24%	13 35%	26 40%	49 31%	54 36%	52 35%	49 34%	50 30%	53 29%	95 32%	89 36%	56 35%	50 55%	96 65%	145 61%	121 35%	17 10%	4 5%	21 8%
					E	HIJK																A1B1 YZ	A1B1 YZ	A1B1 YZ	A1B1 Z			
Republican	284 32%	-	284 100%	-	143 33%	140 32%	14 8%	19 27%	10 21%	255 42%	8 21%	11 17%	41 26%	42 28%	51 33%	58 41%	64 38%	77 42%	93 32%	73 30%	38 24%	16 18%	15 10%	31 13%	66 19%	116 65%	64 84%	180 71%
					F		G	G	GHIK		G			l	L	LMN	LMN	STU	u						WX	VWXY	YZB1 VWX	WXYZ V
Independent/Unaffiliated	260 29%	-	-	260 96%	141 32%	114 26%	57 31%	26 36%	21 44%	176 29%	14 37%	23 35%	54 34%	47 31%	45 30%	31 22%	52 31%	44 24%	87 30%	71 29%	56 35%	16 18%	33 23%	49 21%	146 42%	42 23%	7 10%	49 19%
					F				gJ		p	p	p	p		P	P				R		A1	A1	A1B1 VWXZ	A1B1		A1
Another party	10 1%	-	-	10 4%	7 2%	3 1%	2 1%	-	-	9 1%	1 3%	2 3%	3 2%	1 1%	1 1%	1 1%	-	2 1%	2 1%	3 1%	2 1%	5 6%	1 1%	6 3%	2 *%	1 1%	-	1 *%
																						yzb1 wx	yzb1 w					
Not sure	43 5%	-	-	-	16 4%	22 5%	6 3%	2 3%	2 5%	26 4%	1 3%	3 5%	13 8%	7 5%	3 2%	4 3%	-	8 4%	15 5%	10 4%	8 5%	2 2%	3 2%	5 2%	13 4%	3 2%	1 1%	4 1%
												Op													b1			

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
C6.with which political party do you identify?

	=====REGION=====							====COMMUNITY TYPE=====				===DRINK TAP===		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	=CONCERNED ABOUT =FLOATING TRASH==		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	891 100	218 100	128 100	198 100	37 100	47 100	262 100	175 100	408 100	119 100	182 100	688 100	271 100	345 100	282 100	258 100	266 100	150 100	41 100
Unweighted Total	877	209	127	189	37	49	266	172	407	107	185	676	259	332	284	257	266	148	40
Democratic	293 33%	80 37% g	51 40% dG	59 30%	14 39%	15 31%	73 28%	74 42% iJK	139 34% j	29 24%	50 27%	210 31%	109 40% L	133 39% OP	82 29%	77 30%	110 41% RS	34 23%	9 21%
Republican	284 32%	51 23%	32 25%	58 29%	11 31%	14 30%	118 45% BCDEF	40 23%	122 30% h	49 41% Hi	70 39% HI	229 33% m	75 28%	106 31%	102 36% p	74 29%	59 22%	67 44% Q	20 48% Q
Independent/Unaffiliated	260 29%	74 34% G	39 30%	59 30%	11 30%	15 31%	63 24%	46 26%	130 32%	31 26%	54 30%	206 30%	73 27%	87 25%	83 29%	90 35% N	78 29%	42 28%	12 29%
Another party	10 1%	2 1%	3 2%	3 2%	-	1 2%	1 *% I	7 4% Ik	1 *%	1 1%	2 1%	9 1%	1 1%	3 1%	3 1%	5 2%	1 *% I	2 1%	-
Not sure	43 5%	12 5%	3 3%	19 9% CG	-	3 6%	7 3%	8 5%	17 4%	10 8%	6 4%	34 5%	12 5%	16 5%	13 5%	12 5%	18 7%	6 4%	1 2%

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
Uppercase letters indicate significance at the 95% level.
Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
C7. Which of these comes closest to describing your political philosophy?

	==PARTY ID==			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	890 100	293 100	284 100	269 100	435 100	441 100	181 100	71 100	46 100	614 100	37 100	63 100	160 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	159 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Unweighted Total	876	296	279	260	424	439	139	38	39	666	33	54	110	157	149	178	180	175	297	236	163	77	143	220	342	187	79	266
Very progressive	89 10%	50 17% CD	16 6%	21 8%	38 9%	47 11%	36 20% J	12 18% j	10 22% J	44 7%	9 24% J	11 18% oPQ	31 19% nOPQ	16 11% pQ	10 7%	7 5%	6 3%	19 10%	35 12%	23 9%	12 8%	89 100%	-	89 38%	-	-	-	-
Progressive	147 17%	96 33% CD	15 5%	34 13% C	69 16%	77 18%	38 21% jk	23 32% JK	9 19%	87 14%	3 9%	19 29% MNPq	21 13%	20 13%	32 21% mnP	17 12%	26 16%	21 11%	40 14%	47 19% R	37 23% RS	-	147 100%	147 62%	-	-	-	-
TOTAL PROGRESSIVE	237 27%	145 50% CD	31 11%	55 21% C	107 25%	124 28%	74 41% J	35 49% JK	19 41% J	132 21%	12 33%	30 47% NOPQ m	52 32% PQ	35 23%	42 28% Pq	24 16%	32 19%	40 22%	75 25%	70 29%	49 31% r	89 100%	147 100%	237 100%	-	-	-	-
Moderate	347 39%	121 41% C	66 23%	148 55% BC	176 41%	169 38%	82 45% jk	27 38%	21 45%	225 37%	11 29%	21 33%	65 41%	77 51% moPQ L	63 42% q	55 38%	52 31%	70 38%	121 41%	88 36%	68 42%	-	-	-	347 100%	-	-	-
Conservative	179 20%	17 6%	116 41% BD	42 16% B	95 22%	84 19%	14 7%	4 5%	3 6%	156 25% GHI	10 27% GHI	5 7%	24 15%	25 16% l	26 17% L	41 29% LMNO	54 32% LMNO	40 22%	56 19%	50 20%	33 20%	-	-	-	-	179 100%	-	179 70%
Very conservative	75 8%	4 1%	64 22% BD	7 3%	39 9%	35 8%	2 1%	4 5%	1 2%	71 12% GHIK	1 2%	1 2%	4 3%	7 5%	15 10% LMn	18 12% LMN	25 15% LMN	14 8%	25 9% u	28 12% U	7 5%	-	-	-	-	-	75 100%	75 30%
TOTAL CONSERVATIVE	255 29%	21 7%	180 63% BD	50 19% B	135 31%	119 27%	16 9%	7 10%	4 8%	227 37% GHI	11 29% GHI	6 9%	28 17%	32 21% L	41 27% Lm	59 41% LMNO	79 48% LMNO	54 30%	81 28%	78 32%	40 25%	-	-	-	-	179 100%	75 100%	255 100%
Not sure or prefer not to say	51 6%	5 2%	7 3%	16 6% BC	17 4%	29 7% e	9 5%	2 3%	3 6%	30 5%	3 9%	7 11% Q	15 9% oQ	6 4%	6 4%	6 4%	3 2%	19 10% STU	17 6% U	9 4%	2 1%	-	-	-	-	-	-	-

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
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Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
C7. which of these comes closest to describing your political philosophy?

	=====REGION=====							=====COMMUNITY TYPE=====				=====WATER=====		DRINK Often	BOTTLED Some- times	WTR Seldm /Nevr	CONCERNED ABOUT =FLOATING TRASH=		
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No				Very	Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	890 100	218 100	127 100	198 100	37 100	47 100	262 100	175 100	408 100	119 100	180 100	687 100	271 100	345 100	281 100	258 100	265 100	150 100	41 100
Unweighted Total	876	209	126	189	37	49	266	172	407	107	184	675	259	332	283	257	265	148	40
Very progressive	89 10%	30 14% eG	12 10%	23 11% g	2 6%	6 12%	16 6%	32 18% IK	30 7%	18 15% IK	10 5%	75 11%	28 10%	39 11% O	17 6%	34 13% O	29 11% R	7 5%	2 6%
Progressive	147 17%	44 20% g	25 20%	31 15%	5 15%	6 13%	36 14%	29 17%	68 17%	23 20%	26 14%	117 17%	46 17%	60 18%	39 14%	46 18%	50 19% S	19 13%	3 7%
TOTAL PROGRESSIVE	237 27%	75 34% eG	37 29% g	53 27% g	8 21%	12 25%	52 20%	61 35% IK	98 24%	42 35% IK	36 20%	191 28%	74 27%	99 29% O	56 20%	80 31% O	80 30% RS	26 18%	5 13%
Moderate	347 39%	95 43%	47 37%	73 37%	17 45%	16 34%	101 38%	72 41%	168 41%	43 36%	64 36%	256 37%	118 44% l	129 37%	115 41%	103 40%	107 40%	56 37%	21 52% r
Conservative	179 20%	28 13%	26 21% b	42 21% B	8 22%	14 30% B	61 23% B	25 14%	93 23% HJ	16 13%	44 24% HJ	141 21%	45 17%	66 19%	63 22%	50 19%	47 18%	44 30% Q	7 17%
Very conservative	75 8%	12 6%	11 8%	14 7%	4 10%	4 7%	32 12% Bd	9 5%	31 8%	9 7%	27 15% HIJ	64 9% M	13 5%	24 7%	31 11% n	20 8%	7 3%	19 13% Q	7 17% Q
TOTAL CONSERVATIVE	255 29%	40 18%	37 29% B	56 28% B	12 32%	18 37% B	92 35% B	34 19%	124 30% Hj	24 20%	71 39% HIJ	205 30% M	58 21%	90 26%	94 33% n	70 27%	54 20%	64 42% Q	14 35% q
Not sure or prefer not to say	51 6%	9 4%	6 5%	16 8% e	1 2%	2 4%	17 6%	9 5%	19 5%	11 9%	9 5%	34 5%	21 8% l	27 8% P	16 6% P	6 2%	24 9% R	4 3%	-

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
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Lowercase letters indicate significance at the 90% level.

Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 1
 Region (based on jurisdiction)

	===PARTY ID===			=GENDER==		=====RACE/ETHNICITY=====						=====AGE=====						=====EDUCATION=====				=====POLITICAL PHILOSOPHY=====						
	ALL	Dem	Rep	Ind/ 3rd	Male	Fe- male	Afr- Amer	Asin	Hisp /Lat	Whit	Othr	<25	25- 34	35- 44	45- 54	55- 64	65+	HSor Less	Some Coll	4-Yr Dgre	Post Grad	Very Prog	Prog	ALL PROG	Mode rate	Cons	Very Cons	ALL CONS
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)
Total	915 100	293 100	284 100	271 100	436 100	441 100	183 100	71 100	46 100	614 100	37 100	65 100	161 100	151 100	151 100	143 100	166 100	184 100	294 100	247 100	160 100	89 100	147 100	237 100	347 100	179 100	75 100	255 100
Northern Virginia	223 24.4	80 27.3	51 17.9	75 27.9	113 25.9	102 23.1	33 18.3	35 49.4	21 45.3	135 22.0	12 33.6	22 34.8	39 24.0	43 28.8	35 23.2	29 20.0	34 20.8	27 14.8	58 19.7	71 28.9	62 38.7	30 34.1	44 29.9	75 31.5	95 27.3	28 15.5	12 15.9	40 15.7
		C		C				GJ	GJ			Pq		pq					RS	RST	A1B1 Z	A1B1 Z	A1B1 Z	A1B1 Z				
Metro Richmond	130 14.2	51 17.6	32 11.2	42 15.4	77 17.7	49 11.0	40 21.9	3 4.7	1 2.9	81 13.2	7 19.3	8 11.7	25 15.5	14 9.5	28 18.8	21 14.4	24 14.6	19 10.5	39 13.2	51 20.7	18 11.2	12 13.6	25 17.2	37 15.8	47 13.5	26 14.6	11 14.2	37 14.5
		C			F		HIJ			HI	HI				N					RSU								
Hampton Roads	205 22.4	59 20.2	58 20.4	63 23.1	90 20.6	104 23.6	60 32.7	17 24.1	9 20.3	120 19.6	10 27.4	18 28.3	35 21.8	25 16.6	28 18.4	32 22.3	46 27.8	42 22.7	73 24.7	45 18.3	34 21.1	23 25.3	31 20.8	53 22.5	73 20.9	42 23.7	14 18.5	56 22.1
							ij					n				NO			t									
Rural Tidewater	37 4.0	14 4.9	11 4.0	11 4.0	17 3.9	19 4.4	9 5.0	2 2.2	3 7.1	25 4.1	-	-	5 3.2	9 6.1	8 5.5	8 5.8	6 3.4	6 3.3	9 3.2	13 5.4	8 4.8	2 2.3	5 3.7	8 3.2	17 4.8	8 4.4	4 5.0	12 4.6
Southside	51 5.5	15 5.0	14 5.0	15 5.7	21 4.9	26 5.9	10 5.4	1 2.0	2 3.5	34 5.5	2 6.7	1 2.0	7 4.4	6 3.8	7 4.7	10 7.0	15 8.9	11 5.9	24 8.0	8 3.1	5 3.3	6 6.3	6 4.1	12 4.9	16 4.6	14 7.9	4 4.7	18 7.0
															l	Ln			TU									
Piedmont/Mountain	269 29.4	73 25.0	118 41.4	65 23.8	118 27.0	141 32.0	31 16.8	13 17.6	10 20.8	218 35.6	5 12.9	15 23.2	50 31.1	53 35.2	44 29.3	44 30.5	41 24.5	79 42.8	91 31.2	58 23.6	34 20.9	16 18.4	36 24.4	52 22.1	101 29.0	61 33.9	32 41.8	92 36.2
			BD							GHIK				lq				STU	tU						vx	VwX	VwXY	VwXY

Comparison Groups: BCD/EF/GHIJK/LMNOPQ/RSTU/VWXYZA1B1
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
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Clean Virginia Waterways -- Virginia Statewide Survey on Plastics -- March 8-13, 2022 -- OpinionWorks LLC -- BANNER 2
 Region (based on jurisdiction)

	=====REGION=====						=====COMMUNITY TYPE=====				DRINK TAP		DRINK	BOTTLED	WTR	CONCERNED ABOUT			
	ALL	NoVa	Rich- mond	Hmptn Roads	Rural Tdwtr	South side	Pied/ Mntn	Urban	Subur ban	Small Town	Rural	Yes	No	Often	Some- times	Seldm /Nevr	=FLOATING Very	TRASH= Some	Not
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Total	915 100.0	223 100.0	130 100.0	205 100.0	37 100.0	51 100.0	269 100.0	175 100.0	408 100.0	121 100.0	182 100.0	708 100.0	277 100.0	353 100.0	293 100.0	263 100.0	272 100.0	155 100.0	42 100.0
Northern Virginia	223 24.4	223 100.0	-	-	-	-	-	48 27.3 JK	157 38.5 HJK	6 5.1	6 3.5	188 26.6 M	55 19.7	69 19.6	65 22.1	88 33.5 NO	70 25.8	47 30.1	9 20.9
Metro Richmond	130 14.2	-	130 100.0	-	-	-	-	34 19.2 JK	69 16.8 jk	12 10.1	14 7.6	96 13.6	43 15.7	56 15.7	39 13.1	36 13.8	39 14.3	19 12.1	7 16.4
Hampton Roads	205 22.4	-	-	205 100.0	-	-	-	63 35.8 IJK	92 22.5 K	21 17.1	18 10.0	163 23.0	52 18.7	82 23.2	72 24.4 p	49 18.4	54 19.7	35 22.8	7 17.0
Rural Tidewater	37 4.0	-	-	-	37 100.0	-	-	1 0.8	19 4.6 H	5 3.8	12 6.4 H	29 4.1	16 5.7	15 4.2	15 5.3 p	6 2.3	9 3.1	11 6.9	1 1.9
Southside	51 5.5	-	-	-	-	51 100.0	-	3 1.4	6 1.6	13 10.6 HI	27 14.9 HI	36 5.2	17 6.1	20 5.8	16 5.4	14 5.1	18 6.5	6 4.1	6 15.0 r
Piedmont/Mountain	269 29.4	-	-	-	-	-	269 100.0	27 15.4	65 16.0	64 53.2 HI	105 57.6 HI	195 27.6	94 34.1 L	111 31.5	87 29.6	71 26.8	83 30.5	37 24.1	12 28.9

Comparison Groups: BCDEFG/HIJK/LM/NOP/QRS
 Paired/Overlap T-Test for Means, Paired/Overlap Z-Test for Percentages
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Section 4
In-Depth Interview Transcripts

N=10 virtual interviews, May 2022; 45 minutes

Introduction and Statement of Purpose (:05)

- Interviewer introduces self and OpinionWorks, an independent research firm based in Maryland.
- We are here to talk about some issues that affect Virginia residents.
- There are no right or wrong answers today. Tell me the good and the bad. Don't say what you think I want to hear.
- I want to make sure you know that I am recording this conversation so I don't have to take notes. I don't want to miss anything you say.
- Also, I have a co-worker observing this conversation to help me make sure we cover all the questions we want to ask you.
- This interview will last about 45 minutes, and when it is over we will send you a \$50 electronic gift card as a thank you.
- Do you have any questions as we begin?
- Let's start here: Tell me a little about yourself. Where do you live? Who do you live with? And give me a little thumbnail of your typical day.

A. Word Testing (:05)

1. (On screen: Mood board: Floating plastic) How would you describe what you see?
 - What words would you use?
 - How do these images make you feel? (Explore)
2. (List of words) Let's look at a list of words that could describe what we just saw. Which of these seem most serious to you? Why? (Discuss the top 2 or 3 and ask why others do not resonate.)
3. (Survey results on screen): Here is the result of a recent survey of Virginians. Why do you think "plastic ocean pollution" and "plastic pollution" came out on top?
 - Why are people so motivated about plastics in the ocean?

B. Plastics in the Ocean (:10)

1. (Placeholder slide) Where do you think plastic in the ocean comes from?
2. Would you be surprised to find out that about 80% of the plastic in the ocean comes from inland sources, like litter by the roadside, overflowing trash cans, cigarette butts, balloon releases, food and beverage containers?
3. What makes you think about plastics floating in the ocean?
 - When do you think about it? What reminds you?
 - Why do you feel so strongly?
4. (Survey: Rating problems) In the recent survey, Virginians felt that plastics floating in the ocean were a much more serious problem than litter on the ground in their communities. Why do you think that is? (Explore, understand)
 - Do you think that plastic on the land ends up in the water?
5. Note that there was also a lot of concern about:
 - Chemicals and other toxins in the environment
 - Plastics and toxins in human food

(Discuss each and determine why; factors that each one brings up for people.)

20-minute mark

N=10 virtual interviews, May 2022; 45 minutes

C. Plastics in the Environment (:10)

6. (Placeholder slide) What do you think plastic is made from?
 - How does it make you feel to know plastics are made from fossil fuels (petroleum/petrochemicals)?
7. Do you think there are plastics in the food you eat?
 - A recent study indicated that an average person eats several pounds of plastic a year. Is that a surprise to you?
 - How do you think plastics might get into your food?
8. Do these facts about plastic motivate you to take any actions in your daily life to minimize plastic?
 - What kinds of things can you imagine doing?
9. By the way, what should we call those little bits of plastic that are found in the environment when plastic breaks up but never completely goes away?
 - "Particulates"
 - "Micro-plastics"

D. Public Policy (:15)

I want to talk with you about a few proposals that might be considered in Virginia to lessen the impact of plastic. We are going to talk about five ideas.

Bottle Bill

- The first of these is sometimes called a "Bottle Bill." Have you heard of a bottle bill? What do you think that is?
- Would you support this idea? (Explore reasons why/why not and areas of doubt.)
- What is a better way to say "Bottle Bill" so people understand what we mean?

Producer Pays

- Would you support this idea? (Explore reasons why/why not and areas of doubt.)
- Would pays for your local recycling program and your local landfill right now?
- This is sometime called "Extended Producer Responsibility." What do you think of that name? What would you call it instead?

Reduced Packaging

- Would you support this idea? (Explore reasons why/why not and areas of doubt.)
- What would you call this idea?

Plastic Bags

- Would you support these ideas? (Explore reasons why/why not and areas of doubt.)
- In the recent survey, Virginians supported a ban on single-use plastic bags but not a 5-cent fee? Why do you think that is?
- Do you think of it as a "fee" or a "tax?"
- Is it better to have one law for the whole state, or individual local laws?

N=10 virtual interviews, May 2022; 45 minutes

Polystyrene

- Would you support this idea? (Explore reasons why/why not and areas of doubt.)
- Right now the law says restaurants have to phase it out in about 2 years. There is a proposal in the General Assembly to extend that to 6 years. What do you think about that?

Closing

That's it! We're done. Thank you very much.

You will receive your \$50 gift card incentive on your email later today.

Interview A: Carol; May 11, 2022

Moderator: There we go. I do want to ask you a couple of things. Because I'm 104, do you mind if I record the conversation?

Interviewee: Oh, absolutely. Absolutely.

Moderator: Okay.

Interviewee: That's fine.

Moderator: Then I have two more questions for you. When we create the report, can we use a screenshot of your image in our reports if we just use your first name?

Interviewee: Sure. That'd be fine.

Moderator: Then the extended question is once we finish with the interview and you have a better feel of what we're talking about, if ever you want to submit a photo that typifies what we've been talking about, that'll earn you extra. We would very much appreciate that. Not a whole lot, but a little bit extra.

Interviewee: Okay. All right. You can explain that to me at the end how I submit it, that would be great.

Moderator: Well, you would probably take a photo with your phone and then on your phone, you could send it to your own email and then from your email, you could forward it to us.

Interviewee: Oh, okay. All right. All right. Would I forward it to you or to Susan or to Steve?

Moderator: Susan or Steve.

Interviewee: Susan or Steve, okay.

Moderator: Carol. You're on top of things, babe. Okay. I don't want to lead the witness here. So we're going to be talking about stuff, do you have questions before we start, Carol?

Interviewee: No, not at the moment.

Moderator: There's one other thing. As you can see, there's people listening in. These are the clients of the organization sponsoring this. At the end they may add a couple questions or two, but they're very excited about this research and they want to see everything as it happens, so-

Interviewee: Okay, great [crosstalk 00:02:01]

Moderator: ... know that people are listening in. Okay. You get a \$50 electronic gift card. Where do you live in the United States?

Interviewee: Williamsburg, Virginia.

Moderator: Okay. What do you think about the most?

Interviewee: Oh, interesting question. What do I think about the most?

Moderator: Yeah.

Interviewee: Oh, wow. Well, it's tough. Well, I think because, as I said, I just retired in November, so I'm trying to think about different things to do, my hobbies. I love gardening. I love reading. I love walking, so I love nature. So I guess activities that I can do now that I've transitioned to retirement.

Moderator: Carol, when you think of water, can you think of a sound that you associate with water? I'll go first, so you don't have to invent everything. When I think of water, the sound that I think of when I think of water is woo. That's the sound of either a whale or a dolphin coming to the surface.

Interviewee: Oh, okay.

Moderator: What sound do you think of?

Interviewee: I think more of a wave crashing on the shore.

Moderator: Okay. Very good. Well, we've had our fun now, Carol. It's all business from now on.

Interviewee: Okay.

Moderator: Okay. We're going to look at some pictures here.

Interviewee: Okay.

Moderator: Tell me what you see.

Interviewee: Well, they're not very clear, but oh, here we go. This is better. Oh, oh, I see pollution, plastic bottles and things in one, and oh yeah, just a lot of pollution.

Moderator: Tell me more.

Interviewee: One is here on the shore and then in the water and then also in the water.

Moderator: Tell me more.

Interviewee: Oh, more?

Moderator: Yeah. You can get in touch your emotions if you want. You can include more about what you see. Just tell me more.

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Interviewee: Well, there's a lot of different colors of plastic. I normally think of recycling plastic or the clear plastic bottles, so I see some of them, but there's an awful lot of the colored ones, which I'm not sure they are eligible for recycling, at least not here in Williamsburg. Now this one at the bottom, it looks like it's on the shore or else, because it doesn't look like it's actually in the water because it's on top. But these others look like they are in the water, and particularly this one on the right looks like it as if it's pretty dirty. I wouldn't want to get into the water for swimming [crosstalk 00:05:20]

Moderator: What are your feelings about this? What are your feelings about any one image or all of them together, Carol?

Interviewee: Oh, oh, it's very disturbing. It's very disturbing. I am concerned about climate change, but I think there is also problems such as this with plastic pollution in the water and elsewhere because it affects all the fish and wildlife and people. It's not good, and it's something that we really need to get a handle on, because it's gotten to the critical point right now, I think.

Moderator: if I were to pick the words that you used to describe it, I would say disturbing-

Interviewee: Yes.

Moderator: ... and critical. Tell me more about how you feel about these things, these images, or tell me what's disturbing about it or what's critical about it?

Interviewee: Well, it's critical because look at all of it, there's just so much of it, it's just overwhelming. Disturbing about it is that there is so much of it and it is there, and people volunteer and clean it up, but it seems like as if we need some program to clean it up, because telling people not to do it, I think a lot of people, or some people, do care and don't do it. But obviously, there are a lot of people who do, and so we need to find some way to remove the plastic and other debris from the water, because it's just so harmful to the fish and all the wildlife and eventually gets just humans.

Moderator: I'm going to see if I can get another word out of you, Carol. You said "Some people care and some people don't, obviously a lot."

Interviewee: Yeah.

Moderator: What's the feeling that you have? If I were going to describe how it feels to you, I would say you're angry or resentful, but those are my words. Can you tell me what your feeling is behind when you say "Some people, but some people don't?" What is your feeling there?

Interviewee: Frustrating and disgusted.

Moderator: Okay.

Interviewee: Yeah.

Moderator: Here are some words that might describe what you are looking at.

Interviewee: Ah.

Moderator: Which of these words do you think does the best job for what you look at?

Interviewee: I'm torn between marine litter and marine debris.

Moderator: Because?

Interviewee: Yeah.

Moderator: Because?

Interviewee: I think I'd go with marine litter because it is litter.

Moderator: Okay, so that best describes it.

Interviewee: Yes.

Moderator: Which on of these words or phrases for you seems the most serious, that is a potent reflection of the problem?

Interviewee: Probably ocean trash.

Moderator: Tell me what makes ocean trash seem the most serious here.

Interviewee: Well, because of course, ocean, I think of this big, beautiful body of water, and trash, I think of garbage trucks with large bags of trash and just a variety of different things, more than just plastic, other debris that's that shouldn't be there.

Moderator: What makes ocean trash the most serious of all of these?

Interviewee: It just sounds the most disturbing, the most horrible.

Moderator: Okay. Is there a second one that could be maybe about as serious or almost as serious?

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- Interviewee:** Well, I'm torn between plastic pollution and plastic ocean pollution, because plastic pollution could be anywhere. It could be on the ground. It doesn't necessarily have to be in the water. So if we're just talking about water, then I guess I would say plastic ocean pollution.
- Moderator:** What makes that serious?
- Interviewee:** Well, because of course pollution, the word is just, makes me think of something really bad, which it is. The ocean is so big and so beautiful, and we just need to preserve it because we depend on the ocean for so many things, so that's why I think it's the most.
- Moderator:** We took a survey, and I want to show you some of the results. When people saw the images that you saw, some like that, and they were asked to pick the most serious words, plastic ocean pollution was first, plastic pollution was second, ocean litter, ocean plastics, marine debris, marine litter. Can you explain these results? We've been trying to figure out what this means. Obviously, the most serious in most people's minds was plastic ocean pollution, and the second one was plastic pollution. Can you explain how we got these results, do you think?
- Interviewee:** Well, I think because of the word pollution, because pollution has such a negative meaning that I think people just gravitate to that.
- Moderator:** Okay. I want to ask you about something that you said before, because you said that plastics can pollute no matter where they are, be they on the ocean or any place else.
- Interviewee:** Mm-hmm (affirmative).
- Moderator:** You're so smart. Most people, it seems that in the studies that we have done, it seems that plastic on the ground doesn't matter as much, or it doesn't seem as much like pollution as plastic in the ocean. Can you figure out why that is? I don't know either.
- Interviewee:** I don't know, because I'm disgusted with seeing it laying on the streets, or go walking in the mountains or on the beautiful path and all of a sudden, there's all this plastic or any kind of litter. It just bothers me.
- Moderator:** I know. I know. Carol, how is plastic made?
- Interviewee:** Well, I think it's made in plants. There's plastic plants that make them.
- Moderator:** What is the raw material that plastic is made from?
- Interviewee:** Oh, chemicals.
- Moderator:** What chemicals?
- Interviewee:** Yeah. I don't know the names of them. I know at one time-
- Moderator:** I don't think anybody expects you to say the eight syllable word for those chemicals, but using short words, what is the source? If I were to go looking for the raw material to make plastic, where would I look?
- Interviewee:** I really don't know.
- Moderator:** Okay.
- Interviewee:** I know there are manufacturers who make it and I know it comes from chemicals, but I don't know how they create it.
- Moderator:** Okay. All right. Let's see. Would you be surprised to find out that 80% of the plastic in the ocean comes from inland sources like litter by the roadside, overflowing trash cans, cigarette butts, balloon releases, food and beverage containers?
- Interviewee:** Wow, 80%. Well, I'm not surprised that it eventually makes it to the ocean, but I am surprised it's that large an amount, so it's more than just people throwing it in the water.
- Moderator:** I don't know. What do you think accounts for that 80%?
- Interviewee:** Well, I think because, because people are just, for some reason, litter. I think with the wind and people walking and different things that it just rolls into a stream, and then the stream goes eventually to the ocean.
- Moderator:** Yeah. Okay. If we had told you that 80% is a number, what number would you think it would be in terms of the amount of plastic that's in the ocean. Here we said, "80% of the plastic in the ocean comes from inland sources," so if I asked you what percent of plastic in the ocean comes from inland sources, what would you have guessed?
- Interviewee:** Ah, I would've guessed more like 40%, I think. Yeah.
- Moderator:** So [crosstalk 00:16:03]
- Interviewee:** But since you said it, then it does make sense to me. But if you had asked me that question before, I would've said 40%.

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Moderator: What makes you think about plastics floating in the ocean, because when I told you it's 80, what are your feelings about that?

Interviewee: Well, I'm very disturbed about it and it makes me want to pick up litter off the street more than I do right now.

Moderator: Yeah.

Interviewee: Yeah.

Moderator: Now why did you associate it with the street, Carol?

Interviewee: Oh, I guess because I live in a city and I think about the street, but it's also, as I said, if you go to the mountains or a park or someplace, it's everywhere.

Moderator: Now, Carol. You're smarter than we thought you would be. The most we thought-

Interviewee: I don't know. I don't think I'm very smart.

Moderator: Very few people make the link, it seems between the trash that's on the ground and the trash that ends up in the ocean. What are the images that made you think of the trash on the land becoming trash in the ocean?

Interviewee: Oh, well, I just start imagining, the wind blowing it, or people in a park that there's a lake or a stream close by and they litter, but it's not close to the shore, but they litter. Then through the wind and animal activity and people activity, it just makes its way over to the water.

Moderator: But in a recent survey, we saw that Virginians felt that plastics floating in the ocean were much more serious than litter on the ground, and I'll explain this graph a little bit to you.

Interviewee: Okay.

Moderator: So people about the seriousness of problems, when it's very serious, it's in red and when it's somewhat serious, it's in yellow, and the number to the far right is the total. For example, in the first question, 76% of people surveyed thought that the inflation of the cost of living was very serious. An additional 20% thought it was serious, so 96% of the people we surveyed thought that inflation in the cost of living was very serious, so that's how to read all those numbers. If you look at plastic floating in the ocean, which is number two there, plastic floating in the ocean was very serious, 55% of participants. Then trash and litter in your community was very serious to only 24% of participants. What do you think explains that difference? Why all of a sudden is plastic in the ocean much more serious than trash and litter in the community?

Interviewee: Well, I think people don't like to think that in their community they have a lot of trash and litter, but the ocean is outside their community, so that's why they think it's worse there than in their community.

Moderator: Tell me more about that, Carol.

Interviewee: Well, I don't think people want to think that they take pride in their community and they don't think that there's a lot of trash and litter, and in some communities there may not be. But I think there's more than people realize, because sometimes it gets underneath leaves or off where they're walking or doing any kind of activity, and so they may not actually see it, but it's there and it's making its way to the ocean.

Moderator: I wonder about this, if when the trash is in the ocean, it's easy to blame somebody, but that's a thought. Then another thought is, "Well, the ocean is really far away. I still don't [crosstalk 00:20:28]

Interviewee: Right.

Moderator: Is there anything more that you want to say about that?

Interviewee: Well, I think that's true. Unless their community is right by the ocean, it's a whole different place away from them, and is not their problem and is not their fault, but their community, they take pride in their community and don't want to say that they have a lot of litter trash in their community.

Moderator: I wonder what makes one more serious than the other? Why is trash in the ocean twice as serious as trash on the ground?

Interviewee: Well, I guess they don't see what harm it's doing when it's on the ground, but in the ocean, they can see it and understand that it's hurting the fish and the ocean creatures, and eventually, hurt us humans. I don't think they see any harm to humans when it's just on the ground.

Moderator: That's very interesting. I bet you that's it. There's some other concerns, I don't know if you can see. Is the text large enough for you, Carol?

Interviewee: Yes. Mm-hmm (affirmative).

Moderator: So there are other things that people were concerned about. One is, chemicals and other toxins in the environment, that's number 4, 1, 2, 3, 4, 44% of the people thought that was very serious; 34%, about another third, thought it was serious. So in total, nearly three quarters of the participant or the

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respondents thought the chemicals and taxes in the environment were very serious. What do you think explains that answer?

Interviewee: Well, I think for example, the recent, I say recent, it's been fairly recent, the court case about Roundup and the toxicity in their weed control product that cause cancer. I think they have changed their formula now, so I think if people are paying any attention to the news, they've heard about that. I think it's just generally known for most people, I would think, that chemicals are not good for the environment.

Moderator: Right. Let's look at the other one that was plastics and toxins in human food. That one is three. Almost half the people thought that it was very serious, plastics and toxins within human food. Then another quarter of people thought that it was somewhat serious. So all in all, again, about three quarters of the people thought the plastics and toxins contaminating human food was serious. What do you think explains that?

Interviewee: Well, I think, well, I guess it's been several years now when it came out that BPA was in plastic was harmful. Now, well, I always look to see, but I think most pro most plastic now is BPA-free.

Moderator: Carol, what is BPA?

Interviewee: I don't know what it stands for.

Moderator: Okay.

Interviewee: I know it's something that's bad for you, and then it can be-

Moderator: Bad products all around.

Interviewee: Yeah. It can be in plastic, and I know it's in some canned foods and I'm seeing more and more now canned soup that says BP-free lining and-

Moderator: Okay.

Interviewee: Yeah.

Moderator: Which of those is more important to you, the plastics and toxins in the human food or the chemicals and toxins in the environment?

Interviewee: Oh, tough question. I think chemicals and other toxins in the environment, because as I said about the plastics and toxins contaminated human food, I try to be diligent and look at the containers. Now, whether or not there's toxins in the actual food, that's not container related, I'm not sure, but it seems like as if I would have more control over my selection of that, as opposed to chemicals and other toxins in the environment.

Moderator: Yeah. Come to think of it, one is a subset of the other. There's [crosstalk 00:25:19] where and one part of it is the food, so I get that too. We were trying to figure out where plastic comes from and what it's made from. It's made from petrochemicals, oil.

Interviewee: Oh, okay. Okay.

Moderator: Do you remember that?

Interviewee: I remember that now.

Moderator: Okay. What are your feelings about plastics coming from petrochemicals or oil?

Interviewee: Well, of course now with the high price of oil it's going to make plastics more expensive too. Of course, petrochemicals, they sound unhealthy, so I wish they could find some other way to make plastics. Yeah.

Moderator: What makes plastics from petrochemicals sound unhealthy?

Interviewee: Well, because what I think of oil and I think of oil spills in the ocean and how harmful that was to the environment. It just makes me feel like as if making plastics out of something that is harmful to the environment doesn't sound good.

Moderator: Yeah. By the way, which petrochemicals and oil are synonyms [crosstalk 00:27:00]. I think that they're synonyms, but I'm just wondering which of those sounds worse to you? Because we have fossil fuel, oil, and petrochemicals, which of those sounds worse?

Interviewee: Well, I think petrochemicals because the petro makes me think that it comes from oil, which it does. Then chemicals sounds like as if they add more things to the petro.

Moderator: Okay. Yeah. I don't know what the refining process entails. Riddle me this, yes or no, true or false, there are plastics in the food we eat.

Interviewee: Well, I would hope not, but they probably are.

Moderator: Well, if we weren't in this interview, let's say, I don't know you and I were at the grocery store or something like that. If I asked you if I pointed to some salmon and I said, "Hey, do you think there's any plastics in this salmon?" What would you say?

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- Interviewee:** Oh, I'd say no.
- Moderator:** Okay.
- Interviewee:** Yeah. I would say no, but they're just very well might be.
- Moderator:** How would that take place then? How would there be plastics in salmon?
- Interviewee:** Well, you wouldn't think the salmon would eat plastic, and we're not talking about a huge amount of plastic, but they could prob they could possibly be eating something in the wild and a small amount of plastic would get into their system, and perhaps they were caught before it was fully digested.
- Moderator:** Well, yeah. As it happens, plastic degrades and it becomes smaller and smaller and smaller and smaller, and so animals ingest it. So rather than I'm sure that animals digest some, but there's another amount that remains in their system that goes into the meat. So it would be in the meat of the salmon, in the meat of [inaudible 00:29:19]
- Interviewee:** Oh, I always like to get wild caught salmon and now I'm going to be thinking, "Oh my goodness, is they're going to have plastic in it.
- Moderator:** You know what, Carol, that's an interesting question. Which one do you think has less plastic in its meat, wild caught salmon or farm salmon?
- Interviewee:** I would think wild caught, but I know we're not supposed to eat farm-raised, so I'm not sure.
- Moderator:** I don't know either. I don't.
- Interviewee:** Yeah. Yeah. But I always try to stay away from farm-raised, but you're actually right. It's very possible in salmon and in other things. Well, I don't know. Would it come in vegetables and produce from the ground? Could plastic, could they, from their roots?
- Moderator:** I don't know.
- Interviewee:** I don't know.
- Moderator:** What would be your best guess?
- Interviewee:** Yeah.
- Moderator:** What would be your best guess?
- Interviewee:** Probably, because there's just so much. There's just so many toxins in the environment that unless if you have truly organic farming, it probably does. Yeah.
- Moderator:** A recent study indicated that an average person eats several pounds of plastic a year.
- Interviewee:** Oh, wow. Wow.
- Moderator:** [crosstalk 00:30:48] you say, "Oh, wow."
- Interviewee:** Yeah. That's scary.
- Moderator:** So that's a surprise to you?
- Interviewee:** Yes.
- Moderator:** What about that makes it a scary surprise?
- Interviewee:** Well, that I've got a whole bunch of plastic in my system, but obviously some of it would leave my body through natural processes, but some of it probably stays, and of course cancer, it's so rampant that it could be one of the causes of people getting cancer.
- Moderator:** I have no idea. That makes sense to me, but I don't know that that's true, but I could see how you would think about that.
- Interviewee:** Yeah.
- Moderator:** What actions, if any, do you think you could take to reduce the amount of plastic you accidentally eat?
- Interviewee:** Oh boy. I don't know. As I said, I always try to be so careful with the containers. I'm going to have to research it some more and find out how much, but you say that we ingest several pounds a year? Gee, I guess the only thing is to do completely organic. I don't know whether that would really protect you or not, but I guess if one did completely organic food, it might be better.
- Moderator:** Yeah. Well, let's see. Even if you can't reduce the amount of plastics you accidentally eat, you might be able to by going organic. I don't know, but is there a way that you could reduce plastic in your life overall so that less plastic is around?
- Interviewee:** Oh, that would be helpful. Yes.
- Moderator:** How would you do that?
- Interviewee:** I would do that by not using plastic bags, not using plastic bottles, not using plastic containers, recycle and reuse things. Yeah, just lower the amount of plastic we had. When plastic came out, it's just made things so convenient, but there's just too much harm in it.

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- Moderator:** Yeah. By the way, there are two names that are floating around, ha ha ha, no pun intended for the small, small, small amounts of plastic. Some call them particulates and some call them microplastics. Which word is the most descriptive for you? Which word contains the most information for you?
- Interviewee:** I'm sorry. Particulate and micro. What?
- Moderator:** Particulates and microplastics.
- Interviewee:** Which one is the most descriptive to me?
- Moderator:** Yeah. Which one contains the most information for you?
- Interviewee:** Probably the microplastic, because that's more descriptive. Particulate could be anything.
- Moderator:** Yeah. Yeah, pasta particulate. Okay, because you talked about using fewer bags and recycling more, we're going get to the public policy of things.
- Interviewee:** Okay.
- Moderator:** I'm going to describe a couple policy measures that may or may not be taken. And I'm going to ask you for your feedback on them.
- Interviewee:** Okay.
- Moderator:** So the first is a bottle bill. Have you heard of a bottle bill?
- Interviewee:** No.
- Moderator:** What do you think it might be?
- Interviewee:** Well, something to try to control plastic bottles. I don't know about the manufacturing. I don't know if they can do that, but maybe the discarding of them.
- Moderator:** Oh, yeah.
- Interviewee:** Yeah.
- Moderator:** Here's a paragraph that describes the bottle bill. The bottle bill would suggest that there'd be charge a five cent or 10 cent fee on bottled drinks in bottles and cans that you get back when you return the bottles to a store or redemption center. What do you think?
- Interviewee:** I think that's good, and I think it would be positive. I'm not sure five or 10 cents would be enough to make it really significant. I would do it, but I don't know whether that would be enough for the general public.
- Moderator:** What makes you worry about that amount?
- Interviewee:** Well, I'm afraid that it's too low.
- Moderator:** Well, what would it need to be instead?
- Interviewee:** I think it needs to be more like 15 or 25 cents.
- Moderator:** Wow. Okay.
- Interviewee:** Yeah.
- Moderator:** Is there a better way to describe this initiative, bottle bill. You know how I asked you which word has the most information, how would you describe this bill, such that it had the most information for people to understand right away?
- Interviewee:** I'm sorry, what wording would I add to this?
- Moderator:** Well, would you change the word? Would you change the title? You can add, you can subtract, you could call it something entirely different. If you were explaining this to your neighbor, how would you describe the name of this bill, or what name would you use to describe this bill?
- Interviewee:** I would call it a bottle refund.
- Moderator:** Okay.
- Interviewee:** Yeah. Yeah. A lot of words you get back when you return. Yeah. Well, I guess what I would want to know is, for the five or 10 cent fee, for what they collect and they don't give back to the consumers, what are they going to do with this five or 10 cent fee?
- Moderator:** The five or 10 cents goes back to the consumer.
- Interviewee:** I know, but if somebody doesn't bring back the bottle, and they've paid this five or 10 cent fee, who gets this five or 10 cent fee, if it's not returned to the consumer.
- Moderator:** Well, who do you want to get that money?
- Interviewee:** Well, I think it should go to cleaning up the plastic in the ocean.
- Moderator:** To what kind of organization?
- Interviewee:** That's a good question.

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Moderator: Okay.

Interviewee: My inclination is to say to an environmental non-profit group who would really do something with it, I'm afraid if it went back to the government that it would just get eaten up by administrative costs. I think maybe a non-profit organization would do more with it.

Moderator: Would make better use of it? So the unused refunds would go to a nonprofit organization in Virginia instead of the EPA.

Interviewee: Yes.

Moderator: Okay.

Interviewee: Yes.

Moderator: Let's go to the next position, the Producer Pays. What do you think that that would be? What's your best guess as to what that bill would be?

Interviewee: I guess it's some fee to the manufacturer of the plastic or manufacturer of the drink that's using the plastic.

Moderator: Yeah. Yeah.

Interviewee: Yeah.

Moderator: Okay. When you say fee, tell me more about how that would work and what it's for and stuff.

Interviewee: Well, again, I would like it to go to a non-profit environmental group in Virginia, but it probably would go to the Virginia state government for them to use, to help clean up the environment.

Moderator: Okay. Let's read more about it. The Producer Pays, this bill would require manufacturers who create and used plastic packaging, just like you said, for the bottle of water, for their products to help pay for recycling pickup and processing in local communities, reducing the burden on taxpayers.

Interviewee: Well, that sounds good. I like that.

Moderator: What part sounds good. What do you like about it?

Interviewee: I think to help pay for recycling and processing in local communities, I think that's excellent. We have recycling here in Williamsburg, which is wonderful. We've been having we've had recycling for years and it's been great. I don't know how much that charge is in my taxes and I don't care, because I think it's such a great thing. But I think if it requires the manufacturers to help with it, I think that would be a good thing.

Moderator: What's good about the manufacturers helping with it?

Interviewee: Well, because they're creating the problem.

Moderator: Yeah. Okay.

Interviewee: Yeah.

Moderator: Carol, if you were describing this bill to your neighbor or to me, what name would you give it? Would you keep Producer Pays? Would you change it entirely? What would be a good way for people to understand this bill with a couple of words?

Interviewee: Once I read the paragraph, the Producer Pays makes sense, but just Producer Pays doesn't encapsulate the recycling.

Moderator: Well, so put recycling in the name of the bill then, someplace.

Interviewee: Producer Pays Recycling, that would be good.

Moderator: All right. Oh, you know what? There's another name for Producer Pays. This is sometimes called Extended Producer Responsibility. What do you think of that name?

Interviewee: I think it's too wordy.

Moderator: Yeah. Who pays for your local recycling program and your local landfill right now? Do you know?

Interviewee: I don't know. I'm thinking it comes from my taxes and comes from [crosstalk 00:42:02] yeah. Yeah.

Moderator: But I don't know. Let's see, is your recycling a separate vendor from your trash pickup?

Interviewee: Yes, I believe it is.

Moderator: Okay. All right, so reduced packaging, excuse me. What do you think reduced packaging is? What does that bill do?

Interviewee: Well, it reduces packaging, but I guess it somehow encourages or gives incentives to have better sustainable packaging that can be recycling, and that is not as harmful for the environment.

Moderator: Well, Carol, you should run for president. Here is, require manufacturers to use less plastic in product packaging.

Interviewee: Yeah. Yeah. That's good.

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Moderator: How is that good?

Interviewee: Well, I think less plastic is good because a lot of the packaging, at least with our recycling program, anything over one, we can't recycle, and there's just a lot of plastic that is over one. So if they can reduce that and have it more like cardboard or something else that is recyclable [crosstalk 00:43:41] that would be good.

Moderator: Yeah. I think the emphasis here is on require, rather than encourage, so this would be a mandate.

Interviewee: Okay. That would be good.

Moderator: What's good about a mandate rather than [crosstalk 00:43:56]

Interviewee: Well, then they have to do it. They just aren't encouraged. They have to do it, or I'm assuming they should be fined if they don't.

Moderator: What's good about all that requirement stuff?

Interviewee: It's enforceable.

Moderator: Is there another word that you would use for this bill, Carol? Again, if you were to describe this to your neighbor, or if it were present it to you on a ballot, such that you could understand it by its name, what would you like the name of this bill to be?

Interviewee: I think this is good. I think Reduced Plastic Packaging. I think that captures it right on.

Moderator: But it doesn't have the mandate part that you wanted in there.

Interviewee: Oh, that's true. Well-

Moderator: Go ahead. Go ahead. Go ahead.

Interviewee: Well, I don't want something that's too wordy because that's-

Moderator: Right.

Interviewee: ... that's offsetting, reduced, maybe Required Reduced Plastic Packaging?

Moderator: No Plastic Requirement. Nope?

Interviewee: Oh, that will work, no Plastic Requirement. Yeah, that would be [crosstalk 00:45:27]

Moderator: It doesn't have the word packaging in it. I still need help with this.

Interviewee: Oh, no plastic packaging. We don't want packaging in it?

Moderator: Well, I don't know, whatever would make you understand it on a ballot. Okay. Single-use plastic bags, we'll go on to the next one. There are two ideas in the single-use plastic bags. The first is there it's two versions of the same initiative, one is stronger than the other. Ban Single-use Plastic Grocery and Shopping Bags and require paper or reusable bags instead. That's the heavy-duty version, and then the pay-as-you-play version is place a five cent fee on single-use plastic bags to discourage their use. Could you [inaudible 00:46:28] compare these for me, Carol? Which one do you favor more than the other?

Interviewee: The first one, Ban Single-use Plastic Bags. I've heard that plastic bags in landfills it takes, oh, I think hundreds of years for that to degrade. It just takes an awful long time. Of course, paper you can recycle and reusable bags, you use again, so I would van the single-use plastic bags. It obviously it must be cheaper for the grocery stores and other stores to use plastic bags rather than paper, but it's much better for the environment.

Moderator: How is the banning of the single-use plastic bag so much better than people having to pay for them?

Interviewee: Well, because I think a five cent fee, I think people would pay it.

Moderator: Yeah. In the recent survey, Virginians supported a band on single-used plastic bags, but not a five cent fee. What do you think explains that?

Interviewee: Well, it is only five cents, but with, with inflation as it's been this year, I think people are really struggling with their budgets and any additional cost, they just don't want.

Moderator: Right. Okay. Interesting. I think your first answer also was there. If I'm going to pay 150 bucks for groceries, I don't really care, in theory, if I pay 150 bucks and 35 cents. Who knows?

Interviewee: Right.

Moderator: I don't know. What word should be used? Should it be a bag fee, a bag tax, a bag deposit? Well, not really deposit. What do you think about the word fee or should it be tax?

Interviewee: I think tax would be more enforceable. It would make, not enforceable, but would make people a little less likely to do it because nobody likes the word "tax." [crosstalk 00:48:51]

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- Moderator:** If I'm at the grocery store and I've bought 100 bucks of groceries and I don't have anything to carry them with, and the checkout lady says, or the checkout man says, "Oh, there's a five cent on each bag?"
- Interviewee:** I think, well, obviously you would have [crosstalk 00:49:12] to pay it. yeah. You would obviously have to pay it. I just think tax sounds stronger than fee, but that may not make any difference to people. It probably wouldn't make any difference to people.
- Moderator:** Well, I have a different reaction to tax and fee. I think you're right, Carol. Is it better for one law for the whole state or do you want each community to have its own, each county, or each community to have its own laws?
- Interviewee:** I think it should be statewide because I think if you just do a community by community, it's just going to be different in different places, and we're also close together that it would be confusing. Yeah.
- Moderator:** Yeah. Polystyrene is the next one. Do you know what polystyrene is? It's the white squeaky stuff, that you get for carry out a lot.
- Interviewee:** Oh, oh, oh, okay, the boxes? Yeah.
- Moderator:** Yeah. Yeah.
- Interviewee:** Yeah.
- Moderator:** Sometimes there are cups that are in polystyrene.
- Interviewee:** Yeah. Yeah.
- Moderator:** So what do you want this bill about polystyrene to be here? It says Ban Polystyrene or Foam Take-out Containers. Good, bad, or indifferent.
- Interviewee:** Oh, I think that's good. I think that's good, because I don't think that stuff is recyclable. Now, one of my Publix grocery stores, they do have recycling for foam. I don't know whether that would include these things. I was thinking it was like the foam that you get if you order something and they put the foam around the product before they put it in the box, but maybe they're talking about this. I don't know. That's the only place I've ever seen foam recycling, but I just think there's so much of it and people, I think, mostly just put it in the trash, so yeah, I would support this.
- Moderator:** Well, there's an extension because in theory, polystyrene costs less than other materials that are recyclable. Right now, the law says that restaurants have to phase it out in about two years. There is also a proposal in the works that has that extended to six years. What do you think about the extension of six years rather than two years?
- Interviewee:** I think that's too long. I think two years gives the restaurants and grocery stores and other delis and things time enough to try to figure out what to do. If it's banned, I think they think there will be some innovative company that will come up with something that will be acceptable.
- Moderator:** That's right, Carol. I really think you're right. If there's a gap in the marketplace, somebody's going to fill it.
- Interviewee:** Yep.
- Moderator:** That's the American way, gosh darn it. Well, you'll get a \$50 gift card incentive. It'll probably be a link. Have you used those before? You get an email with a link in it and then you click on it and then it's a gift card?
- Interviewee:** I never have done that, but I'll follow whatever the email says. I'm sure it'll work out fine.
- Moderator:** Okay. Then after this conversation today, if you want to take a picture of yourself or something that typifies our conversation, please do send it.
- Interviewee:** Oh, I will. I will. So only [crosstalk 00:52:39] I'm sorry. Only if I send a photo, will you use my photo in the research, or are you going to take it off of this?
- Moderator:** Well, if we get no photo, we'll take a screenshot of you-
- Interviewee:** Okay.
- Moderator:** ... your face and your first name, not your last. Then if you send in a photo, we'll use a photo that you give us.
- Interviewee:** Okay. All right. That sounds good.
- Moderator:** Okay.
- Interviewee:** I've enjoyed it, Kathy. I hope I've been helpful.
- Moderator:** Oh, my goodness. Carol. Yes.
- Interviewee:** Oh, good.

Interview A: Carol; May 11, 2022

Moderator: Thank you very much. Remember, I said you were smarter than we thought, so you're a problem, but [crosstalk 00:53:11] so helpful. Thank you again, Carol. Bye-bye.

Interviewee: Bye. Thanks so much.

Moderator: Oh, you're welcome.

[END]

Interview B: Monique; May 11, 2022

Moderator: Have you ever participated in any marketing research before?

Interviewee: Yes. Yes I have. Can you hear me?

Moderator: Okay.

Interviewee: Okay.

Moderator: I think when you go back and forth, I lose part of the volume, or something.

Interviewee: Can you hear me now?

Moderator: That's really good. That's really good. That's really good. Okay. So, market research is trying to find out what people like, and what they don't like about a product, or service. And so, it's kind of like [inaudible 00:00:36], kind of like an argument, and kind of like a survey. Pearl of great price, says, Kathy, what was it? [inaudible 00:00:48] value. Oh, you know what? I'm recording because I'm 104 years old. That why I don't miss anything, and that's my way of taking notes. And by the way, Monique, can we use your image for our report, if we wanted to?

Interviewee: Yeah.

Moderator: Okay. And then later, once you get a flow of the interview, I'm going to ask if you want to submit a photo of you that pertains to what we're talking about. I don't want to give away what we're talking about until we talk about it, but that's something that you can consider. And as you can see, there's other people on the call, because they want to listen in. They're very excited about the research, and so they want to listen in.

So, Monique, I'm going to make a sound that I associate with the ocean. So, would you think of a sound that you associate with the ocean? Okay. Here's my... That's the sound of a dolphin, or a whale when it comes up next to you. So, what sound do you associate with the ocean?

Interviewee: I associate a sound that would be kind of like, "Woosh."

Moderator: What was that?

Interviewee: I equate it to the sound of the water.

Moderator: Yeah. And what was a woo? I thought that was a sea gull.

Interviewee: Oh yes, yes. That's what I was thinking too.

Moderator: Come to think of it. Okay.

Interviewee: Yeah.

Moderator: Monique, I'm in Delaware. Where are you?

Interviewee: I am in Virginia.

Moderator: Okay. So, are you inland, or on the water, or kind of in between?

Interviewee: I'm more in the city, but I'm kind of close to the water. I'm about maybe two hours from the water, from the beach, actually.

Moderator: Monique, what do you think about the most? I'll tell you, what I think about the most is... Well, I obviously think about the cost of living, but what I think about the most is how I'm going to use my time, and how I'm going to earn money. What do you think about the most?

Interviewee: I think most about definitely the cost of living, and the cost of education, being that I'm in grad school.

Moderator: What are you studying, Monique?

Interviewee: I am studying school counseling.

Moderator: God. So you're going to be useful. You're going to be useful. Okay. Fine, [inaudible 00:03:29]. So, can you give me a thumbnail of your typical day? How many classes are you taking?

Interviewee: I'm taking two this summer, and then I'm going to take a-

Moderator: [inaudible 00:03:40].

Interviewee: Yeah.

Moderator: Two in this summer, and four in the fall?

Interviewee: Yes.

Moderator: You're a real slacker then. Huh? Okay. So, I'm going to show you... Monique, congratulations on doing it. I too have a graduate degree, and you know what? It's one of the best things I ever did, because no one can take that away from me. It's a great accomplishment, I have to admit, and I use my education every day. So, you'll do that too. Okay. So, pictures, we're going to see some pictures. We're going to see some pictures.

Interviewee: Okay.

Moderator: There we are. Tell me what you see.

Interview B: Monique; May 11, 2022

Interviewee: Okay. I see... I'm thinking I see some plastics, I see some pollution.

Moderator: Keep going.

Interviewee: And I see some water, and I see some colorful things that I'm quite sure. I think they're some type of pollution.

Moderator: Can you include in your description, maybe a couple words at a time, can you include your feelings if you want? Can you include more of what you see?

Interviewee: Yeah. So like I see... Sorry, I'm going to switch my glasses. So, I see the pollutions floating in the water, which definitely is problematic, because it can go to the land, and hurt the animals. That's the first thing that came to mind. And all of it washing up, it looks like it, on the last picture, it looks like it is washing up, near the shore.

Moderator: Tell me more about how it's problematic, and tell me more about your feelings when you see these images.

Interviewee: It really kind of makes me sad that people won't take care of the earth, and they'll just discard trash, not thinking anything about how it affects the ecosystem that we live in.

Moderator: Monique, as a counselor, you'll be able to tell people what to do. So, if you showed these pictures to a high school student, what would you tell the high school student to do?

Interviewee: I would tell them to recycle, and don't throw away your plastics in the regular trash can, to recycle them.

Moderator: Okay. So, I'm going to be a brand new high school student. "Yeah, but that's in the water. I don't care. I mean, I don't know how it gets in the water. If I just put my recycling away, I mean, what's the problem?"

Interviewee: Oh, so like, what you don't know is that trash goes through a cycle. So, it goes... Your trash goes through a processing place. And so, it's not exactly separated, and it ends up out into the ocean, and out into the water, and it can affect the animals, especially like on soda, on soft drink packs, how they have those wrappers, those plastic wrappers, if you're not careful, and make sure you cut those up, they can get stuck around the animals' necks, and that can severely affect them.

Moderator: You said something very interesting, Monique. How do you know that trash ends up in the water?

Interviewee: Well, obviously, well, I guess I read about it a lot, to be honest. They taught us that in school as well, that that happens.

Moderator: Do you remember when you first learned about those six pack tops, or whatever tops they were, that get caught on the neck? Do you remember when you first heard about that?

Interviewee: Yeah, I was in high school when I first heard about that.

Moderator: So, was it an announcement in the hall? I mean, how did you first hear about it?

Interviewee: I think it was like in... I was in an environmental science class, and the teacher was talking about, she brought in the little plastic things, and she was telling us that we should make sure we cut these up, make sure that we recycle these, or else they'll get stuck around, and she brought in a picture, and showed us.

Moderator: You said sad. Are there other ways that these images, and the notion of trash in the ocean, are there other feelings that you have because of this?

Interviewee: I guess like it's... I don't know. It kind of bother... It's like, why is there so much trash? How could we let this accumulate to so much trash being in the water?

Moderator: Monique, do you know what? I'm going to ask you a question, and I want you to push back if that's not the case, but remember, you can say whatever you want, you don't have to be polite. And you said sad, and then, "Why is there so much?" I can't tell if you're angry, or resentful, or flummoxed. Tell me more about how you really feel.

Interviewee: I would say I really like... It doesn't make me necessarily angry. It just makes me kind of perplexed, like it makes me wonder, why is this happening? Why hasn't anybody did something to help stop this, or reduce this?

Moderator: Okay, I'm going to ask you... I'm going to look at a list of words. So, can you read through this list, and pick the word, or the phrase that best describes what you just saw?

Interviewee: Plastic pollution.

Moderator: Plastic pollution. Okay. Now, if you're telling your high schooler, "You better na, na, na, na," which of these words sounds the most serious? The one word people will take action on?

Interviewee: I would say, plastic ocean pollution.

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Moderator: What makes that the best term, that conveys the seriousness, and is a call to action? What about that works?

Interviewee: Most people know about the ocean, and most people, a lot. Some people are really interested in it, and I feel like when you have that word, it's not like... Because when most people just hear pollution, they just think trash. They don't really take the time to think maybe how it affects something outside of their area. So, I feel like this, just having that word ocean between the words plastic, and pollution, it kind of helps get an understanding that it affects outside of your own environment.

Moderator: What is important about describing something out of your own environment? That was very insightful.

Interviewee: So, like pollution doesn't just affect your environment, or my environment, it affects the whole entire earth. And so, when it comes down to it, it has an effect on the entire earth. And so, just, you may think it's just one small piece of trash that you threw out. But over time, if more and more people do throw one piece of trash, that trash eventually is going to end up in the ocean, or wherever, and it's going to further contribute to destroying the earth.

Moderator: Exactly. Monique, thank you very much. I think that really explained it. So, there's a recent survey of Virginians, and you can see that they picked plastic ocean pollution, almost half picked that, plastic pollution, the third, and all the way down. What do you think explains the different popular... Let's see, we asked which one was most serious. What do you think explains the fact that plastic ocean pollution was most serious, and that, I guess, plastic pollution was not quite as serious? Or ocean litter was not quite as serious.

Interviewee: I guess it was like what I said earlier. The words just kind of make you think outside of just your area.

Moderator: That was so smart.

Interviewee: And then, I guess the words, like marine debris, and marine litter, they're not exactly words that evoke anything really, for people. So, I think that's why those are at the bottom. And then like... Oh, go ahead. I'm sorry.

Moderator: No, no. I think you're right. Marine litter doesn't tell me if it's a good thing, or bad thing.

Interviewee: Yeah, it doesn't, it's just like, marine litter, it's like saying cat litter, or... You know. I'm not trying to be funny, I really... That is exactly what I thought when I saw that. I was like, "It's like just saying cat litter."

Moderator: Monique, we'll take it. We're very happy with that. Okay. Let's see. Where do you think the plastic in the ocean comes from?

Interviewee: I mean, it comes from the trash. It comes from the trash, but it comes from, ultimately, the companies that create the plastics that we buy things from. So, like when we buy soft drinks, or water bottles, or bottled water, and stuff like that, or plastic bags, things of that nature, I think that's where it comes from.

Moderator: Okay. So, give me the path. Give me something that you have in mind, and tell me how it gets to the ocean.

Interviewee: Okay. So I guess like, when the trash, when all the trash, I guess goes through the, I guess the landfills, I guess... Yeah. Landfill. So, it ends up in this whole big pile, and everything, and then I guess it just somehow goes from landfill, to however it... Wherever it goes next, and ends up in the ocean. I would say maybe through weather, like rain, wind, and stuff like that, as well, probably have an effect on how it gets to the ocean.

Moderator: Trash does not behave. It does not stay where it's put, and it's affected by the wind, and the water. Okay. Thinking of all the plastic in the ocean, how much comes from litter?

Interviewee: How much comes from litter?

Moderator: Wait, wait, wait, I've got to ask the question differently. Thinking of all the plastic in the ocean, how much comes from inland sources, such as litter on the roadside, overflowing trash cans, cigarette butts, balloon releases, food and beverage containers, like you were mentioning?

Interviewee: I don't know for sure. I would say maybe 60%.

Moderator: You're very close. 80%. 80% of the plastic in the ocean comes from inland sources. What do you think about that?

Interviewee: I think that's a sign. That's a sign that definitely we have to use more recyclable materials in our everyday life to...

Moderator: Tell me how you got there. That's very interesting. So, when I said, "80% of the plastic in the ocean comes from inland sources," you mentioned taking care. Can you repeat what you said, Monique?

Interviewee: Yeah. I said, "I think we should take care, and use more recyclable materials in our everyday life." I think, no, I think some things shouldn't even be legal in the United States, causing things that are

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harmful to the earth. Like, I mean, when people smoke, they just throw out their cigarette butts, that's a form of pollution, and people may not even be aware that's a form of pollution.

Moderator: Yeah. I think that was very insightful, that 80% is a sign that we need better recyclable materials. Okay. So, what's the difference between plastic, or litter in the ocean, and plastic, or litter on land?

Interviewee: I don't think there's necessarily a difference, other than where it's located. I think that the same plastic that we may find on land, we'll also find it in the ocean, because it'll eventually end up there.

Moderator: Which problem is more serious? Plastic in the ocean, or plastic on the land?

Interviewee: Oh, that is a good question. I think both are serious, but... So I don't know if I can really say which one's more serious, because I feel like both of them have devastating effects.

Moderator: Keep talking.

Interviewee: Like, I mean the plastic on land is harmful to the air quality, it's harmful to just, the way it's harmful to the ecosystem, and animals, and stuff that live on land, just like it is the ecosystem, in the water, in the ocean.

Moderator: Okay. In a recent survey, Virginia is... Here, I'll tell you how to read this chart. Well, you're in grad school, you already know. Anyway, we asked participants in a survey to rate the seriousness of different problems. And so, whatever appears in red is very serious, and whatever appears in yellow is somewhat serious. So, the first thing that people thought was a serious problem was inflation, and the cost of living. Nearly three quarters of the people, more than three quarters of the people thought that was a very serious problem. And another fifth of the people thought it was a very serious problem. So, nearly 100% thought inflation, and the cost of living was a very serious problem. In contrast, trash and litter in your community, only about a quarter of the people thought that was very serious, and maybe about another third thought that was somewhat serious. So, about not quite two thirds of the people thought that trash and litter in your community was... 61% serious. If I were to ask you, for example, if you look at the plastic floating in the ocean, that was 87% serious. 87% of the people thought that there was a very serious problem, compared to trash, and litter in your community, only not even two thirds of the people thought that that was a very serious problem. What do you think explains that difference, between plastic floating in the ocean, and trash and litter in your community?

Interviewee: Because people probably don't think that trash affects their community. I feel like they don't think about how trash can affect where they live.

Moderator: But I still [inaudible 00:21:28] get why the ocean is way more serious than where you live. I still don't get that part.

Interviewee: I don't get it either, but I guess, if I was try to explain it, I guess because everybody knows about the ocean, knows about the animals in the ocean, and that live in the ocean, and the media's also... I think the media also plays a big role in that, as well, because your shown images of what happens to animals in the ocean, that are affected by pollution. Whereas you're not shown what happens with pollution, and trash, and litter in your community. You're not shown what the effects, and the aftermath are.

Moderator: So, we've seen plenty of pictures of turtles with something on their neck, but we haven't seen a picture of what, on the land?

Interviewee: Well, I guess maybe like, I don't know what animals would really... Like, maybe how it... I don't know, maybe how it destroys natural habitats of maybe like black bears, or the deer. There's overpopulation, and a lot of people don't realize, I think that can harm them, sometimes, if they'll eat something, thinking, "Oh." And so, that's just an example of how it can affect, I guess, right in your own community, just maybe the animals.

Moderator: So, a bird eating a cigarette butt, something like that?

Interviewee: Yeah. Yeah.

Moderator: Okay. There are other problems that I want to talk about. The second most serious problem was plastic floating in the ocean, and about four fifths of people thought that was a very serious problem. And then the third most serious problem was plastics, and toxins contaminating human food. Three quarters of the people felt that was a very serious problem. Can you explain those two, plastic floating in the ocean for me, and then plastic and toxins contaminating human food? What made them important?

Interviewee: Well, like I said-

Moderator: I'm sorry. Let me ask the question. Plastic and toxins contaminating human food, and chemicals, and other toxins in the environment, what made those two important, as well?

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- Interviewee:** Oh, okay. So, they affect people. So, the plastics and toxins contaminating human food would make the food that we eat un-eatable. So, I think that's why that came in third, and then the fourth one, chemicals, and other toxins in the environment, I think again, once again, we're shown images, or we read articles about the chemicals, and toxins in the environment. And so, I think people are also more aware of these things, as well.
- Moderator:** Monique, if you were to think of the other people in your graduate class for counseling, do you think that they would reply in a similar way?
- Interviewee:** I think so. I think so.
- Moderator:** Thinking more specifically of some of the people you know, what would make plastics and toxins contaminating human food, what would make them consider that a serious problem?
- Interviewee:** I think because they enjoy food, and they wouldn't want to eat something that would harm them, as most people.
- Moderator:** Yeah. Okay. Plastics. How is plastic made?
- Interviewee:** I honestly don't know.
- Moderator:** What is the raw material used to make plastic?
- Interviewee:** The raw material? Honestly, I don't know.
- Moderator:** Can you take a guess?
- Interviewee:** I can't even... I don't even think I could guess, because I know it's not trees, because I know paper is made out of trees.
- Moderator:** Plastic comes from oil.
- Interviewee:** Oil?
- Moderator:** Okay. Let's see. How does that make you feel, now that you know that plastic comes from oil, or petrochemicals?
- Interviewee:** So, well, as we have seen the price of oil increase, and it's an industry, I definitely see why some people may not understand the significance of using less plastic, because they probably, like me, didn't know that plastic came from oil.
- Moderator:** Aside from cost, is there any other association that you have with plastics, and oil, or plastics, and petrochemical? Not the [inaudible 00:27:37].
- Interviewee:** Yeah. Yeah. So, it sounds like, if I remember from science, that it's a non-renewable source, so eventually the plastic could possibly run out, if it's made from those petrochemicals.
- Moderator:** Okay. Is it a good thing, or a bad thing that plastics are made from oil, or petrochemicals?
- Interviewee:** I would say it's a bad thing.
- Moderator:** Because?
- Interviewee:** Because I think it should be made from something that is more environmentally friendly.
- Moderator:** Okay. If we were to go to the grocery store together, and I wanted to purchase some salmon for our food together, is there any plastic in the salmon we're going to eat? Yes, or no?
- Interviewee:** No.
- Moderator:** What makes you say no?
- Interviewee:** Because I don't think... I mean, salmon is a fish, so I don't... I mean, the only oil would be fish oil, I presume.
- Moderator:** Okay. Okay. A recent study indicated that an average person eats several pounds of plastic a year.
- Interviewee:** Wow.
- Moderator:** What made you say "wow"?
- Interviewee:** I didn't realize that we actually eat plastic.
- Moderator:** How do you think it is that we eat plastic?
- Interviewee:** That's a good question. Maybe some of the oils that are in foods, possibly?
- Moderator:** Well, thinking of the pictures that we saw at first, you remember all the plastic floating in the ocean, or the plastic on the water?
- Interviewee:** Yeah.
- Moderator:** Bit by bit, those plastics break into smaller, and smaller, and smaller, and smaller pieces, and then animals eat them. And so, animals, through their digestive process, get rid of some of the plastic, of the small, tiny bits of plastic, but other parts of the small, tiny bits of plastic go back into the flesh.

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Interviewee: Oh.

Moderator: How does that sound?

Interviewee: That makes sense. That makes sense. Because if we eat animals, then we get the plastic.

Moderator: So, knowing that there is plastic in food, how does that make you feel? Or what kind of a surprise is that for you?

Interviewee: Oh, it is a really big surprise, but I guess it's not... It's a big surprise, but it also kind of goes back to what I said at the beginning, that it has an overall effect. It's just it's another effect of this plastic pollution.

Moderator: Is this a good effect, or a bad effect?

Interviewee: I think it's bad for the animals. I think it's definitely bad for the animals. I don't know. I don't know what to say about us consuming it, because I don't know if it has any effects, or not. I mean, because we're all still alive, but I mean, it's possible that could be a contributing factor for some maybe diseases, possibly. So, I guess overall, it's not necessarily good, but like I said, I don't know. I don't know much about it.

Moderator: What do you wish you knew about it?

Interviewee: I wish I knew how it affects, like is it harmful to humans? I mean, is it harmful to humans? Is it harmful for the animals, as well?

Moderator: Yeah. So you'd like to know the effects of the plastic in the animals.

Interviewee: Mm-hmm.

Moderator: Yeah. I'd like to know how their health changes if at all. That's true. So if you wanted to reduce the amount of plastic that you ate, that comes to you indirectly, or that you eat by accident, how would you reduce the amount of plastic that you eat by accident, in other foods?

Interviewee: You could eat more plant... Like more fruits and vegetables, or you can also eat more plant-based things. So, less animal products, or byproducts.

Moderator: Okay. And then what could you do, to just reduce the amount of plastic in your home? Or the trash?

Interviewee: So, you could use recyclable materials, definitely. Like if you do use, like for example, if you go to the grocery store, you could carry with your recyclable tote bags, instead of having to get the plastic grocery bags.

Moderator: What could you do, if anything, to bring less plastic into your home?

Interviewee: Maybe buy items that can be recycled, versus just buying... Maybe buy less plastic items, as well, if you can.

Moderator: When I described the plastic that broke down into smaller, and smaller, and smaller pieces, what is a better way to describe that? Particulates, or microplastics?

Interviewee: Microplastics.

Moderator: What makes that word a better information for you?

Interviewee: It kind of describes exactly... It describes the breaking down of the plastics into smaller pieces, because when you think of micro, you think of small.

Moderator: Yeah. Okay. Thank you. So, the next set of questions is going to be about potential legislation. And so, I'm going to ask you to guess what each of these different legislations might be, then I'm going to give you a description, and then I'm going to ask you for a better name, and then obviously your reactions to it. So, the first initiative that we're going to talk about is a bottle bill. What do you think a bottle bill is?

Interviewee: Maybe a bill about plastic bottles, possibly?

Moderator: Okay. Let's read about what it is. A bottle bill. There would be a charge of a 5-cent, or 10 cent fee on bottled drinks, and that's bottles and cans, that you would get back when you return the bottles to a store, or to a redemption center. What do you think about that?

Interviewee: I think that's a good bill. I think it would encourage people to recycle their bottles, or cans.

Moderator: How do you think it would encourage them to recycle?

Interviewee: Because they'll get, if I understand it correctly, they get five or 10 cent back when they take it back, when they return it to the store.

Moderator: Okay. That's correct. So for each bottle, or can, you would get five or 10 cents back. What do you think about the amount of five or 10 cents?

Interviewee: I mean, I guess it could be increased a little bit more, definitely, just to account for maybe, the inflation, or whatever.

Interview B: Monique; May 11, 2022

Moderator: Yeah.

Interviewee: But I think it's a good start. Definitely a good start. It's better than nothing.

Moderator: Well, if you wanted to make it ideal, what would the ideal amount be?

Interviewee: I would say \$1, or \$1.25.

Moderator: Okay. So, just checking, so in order for you to be willing to take a bottle or can back to a recycling center, five or 10 cents isn't going to do it, but then for \$1, \$1.25, you would do it.

Interviewee: Mm-hmm.

Moderator: So, rather than buying a bottle of water for a dollar, now you buy a bottle of water for \$2.25. How does that sit?

Interviewee: Ooh, no. No. Okay. No, not at all.

Moderator: Okay.

Interviewee: I feel like now that is kind of overpriced. Yeah. I don't think I would want to pay \$2.25 for a... Oh, okay. I see. It's like a fee. Okay. I take that back. That's actually... That's actually about right, I think, if it's a fee.

Moderator: So, you buy a bottle of water for \$1.05, go to the redemption center, and get 5-cents back.

Interviewee: Yeah.

Moderator: Is that okay? Is 10 cents better, or what amount is ideal?

Interviewee: I would say, maybe anywhere from 25 to 50 cents.

Moderator: Okay. So, now you're going to buy a bottle of water for \$1.50, and you go to the redemption center, and you get 50 cents back.

Interviewee: Yeah, I think that's good.

Moderator: Okay. So, if this bill were on a ballot, how would you know what to vote for? I mean, can you think of a better word, or phrase, or title than Bottle Bill?

Interviewee: I would call it... What would I call it? I would call it, Bring Back the Bottle.

Moderator: Okay. Let's go to the next one, which is called Producer Pays. What do you think this bill would be about?

Interviewee: I think it's like something where maybe the companies have to pay some type of amount for something.

Moderator: Give me an example, Monique.

Interviewee: Okay. Like, say Pepsi, Pepsi would have to pay a certain amount to produce their bottles, or cans.

Moderator: Let's read more about that. Producer pays. This is a requirement for manufacturers who create, and use plastic packaging for their products, to help pay for recycling, pickup, and processing in local communities, reducing the burden on taxpayers. What do you think?

Interviewee: I think that this is a really good thing.

Moderator: How is this a good thing?

Interviewee: I think to make manufacturers, companies that create plastic packaging, to require them to pay for recycling in local places. It's a really good concept, because maybe it'll make the companies think about maybe possibly creating packaging that is better, that is more... That isn't plastic.

Moderator: Okay. And is there a better word for this? Again, if this were on a ballot, and you were to vote for it, or against it, what title of this bill would help you make a decision?

Interviewee: I like the title. I think the title would help make a decision.

Moderator: Okay. Let's go to the next one. It's Reduced Packaging. So, reading more about reduced packaging. This is a requirement for manufacturers to use less plastic in product packaging. Good, bad, or indifferent?

Interviewee: Good, good.

Moderator: How is that good? I mean, what difference would that make to you?

Interviewee: I mean, because if manufacturers are using less plastic in their products, then that's going to help reduce the amount of plastic waste.

Moderator: Can you think of a product that really has too much plastic in it right now? So, can you think of a product that is packaged too heavily in plastic?

Interviewee: I would say chewing gum. The little single packs of chewing gum.

Moderator: Yeah.

Interview B: Monique; May 11, 2022

Interviewee: Yeah.

Moderator: Okay. Let's go over another one. Single use plastic bags. This has two versions. One is a requirement, and another is kind of a suggestion. So, the very strong one is ban single use of plastic bags, ban single use plastic grocery and shopping bags, require paper, or reusable bags instead. And then there's the one that's a fee, place a 5-cent fee on single use plastic bags, to discourage their use. What do you think of the first one? The ban?

Interviewee: I think that the ban would be something that would help reduce the plastic pollution, so I think it's a very good thing.

Moderator: Tell me about the 5-cent fee.

Interviewee: So, actually where I live, they implemented this, this year.

Moderator: What is the difference between the two for you?

Interviewee: To me, the difference is, the second one is like it's optional. You just pay a fee, and you can still use plastic bags. The first one though, it's like, there won't be any plastic bags, or single use plastic bags.

Moderator: Which of these two would you like to support? If any?

Interviewee: I would probably support the first one.

Moderator: What makes you support the first one, rather than the second?

Interviewee: Because the second one, I mean, some people will just pay a 5-cent fee, and just use plastic bags. So, I don't really see how... Like I said, where I live, they already have done the second one, and I don't really see a difference.

Moderator: Has your behavior changed because of the bag fee?

Interviewee: Yes. I use the recycle bags a lot more, even if I'm just going, or if I just go get one or two things, I just probably won't even need a bag.

Moderator: Yeah. And did you use recyclable bags, or no bags, any differently with the 5-cent fee, or is it the same?

Interviewee: I feel like I use them more frequently now. I was using them before, but I feel like I use them more frequently.

Moderator: Tell me which word you like better, place a 5-cent fee, place a 5-cent tax.

Interviewee: 5-cent tax.

Moderator: What's better about tax?

Interviewee: I feel like a tax, it's just like included, you'll just see it like it's a tax, like sales tax, so it doesn't sound as in your face as fee does.

Moderator: Oh, can you explain that again? How tax is not as in your face as a fee?

Interviewee: Yeah. So, people don't really get upset over having to pay sales tax, but if you were to call it... Like I think, because we call it, where I live, we call it a bag tax. So, while some people have been upset about it, if the city was to call it a bag fee, then people would probably be more angry, because they're like, "Well, I don't have to pay a fee to get a bag."

Moderator: Which one do you think would change behavior the most? The word fee, or the word tax?

Interviewee: Fee, I think fee would change behavior.

Moderator: Now, do you think that the law should be for the whole state, or for each individual community?

Interviewee: I think the laws should be for the whole state.

Moderator: Because?

Interviewee: Because I think it would help overall, and it would encourage people, statewide, to use recyclable materials.

Moderator: How does statewide, rather than local, encourage more?

Interviewee: Because I think, like if you see, if it's across the state, then it's like, "Oh, okay." Well let's say if I go to a different city within the state, "Oh I can use recyclable bags here too." It will help encourage more, and more people.

Moderator: Okay. The next one is Polystyrene. Polystyrene is that white plastic that restaurants use a lot of the time, that's kind of squishy, and it's white, sometimes cups are made out of that.

Interviewee: Okay.

Moderator: So, this legislation is Ban Polystyrene. Ban polystyrene, or foam takeout containers. Good, or bad thing?

Interviewee: Oh, I guess it's a good thing.

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Moderator: What is confusing? What makes you guess? Or what makes you not sure? What would make it a good thing? What would make it a bad thing?

Interviewee: So, is polystyrene, it's made out of plastic?

Moderator: I don't know.

Interviewee: Okay. I didn't know. I used to just call it Styrofoam, so I didn't know that that was what it's actually called.

Moderator: That's interesting. So, is polystyrene recyclable?

Interviewee: I don't know if it's recyclable.

Moderator: Styrofoam recyclable?

Interviewee: I do not know.

Moderator: So, what would make this a good bill, and what would make this a bad bill?

Interviewee: I guess, okay, it would be a good bill if, say, that this material was non-recyclable.

Moderator: Okay.

Interviewee: It would be good. It would be a bad bill, if this was a recyclable material.

Moderator: Okay. If this name of the bill is on a ballot, and you wanted to vote for it, would you like to see Ban Polystyrene, or Ban Styrofoam?

Interviewee: Ban Styrofoam.

Moderator: What makes you say that, Monique?

Interviewee: I would say that it would resonate with more people. They would know what Styrofoam is, more than they would polystyrene.

Moderator: Okay. Now, right now, the legislatures are giving restaurants two years to get adjusted to not using Styrofoam, or polystyrene containers. There's a possibility that that would become extended to six years. Tell me how you feel about giving your restaurants two years to get used to this idea, and this process. Tell me how you feel about restaurants needing six years to get used to this process.

Interviewee: I think two years is a good time for restaurants to be able to adjust to not using Styrofoam. I think six years is just way too long. I don't think it necessarily should take that long to adjust.

Moderator: Okay. Monique, I have no more questions for you, except for a particular request, because your laptop, or your computer is at a specific angle, we can't see your face.

Interviewee: Oh.

Moderator: Would it be possible for you to send in a photo, that kind of best typifies what we've been talking about? It can include you, or not, just take it with your phone, and email it to Steve, or Susan.

Interviewee: Okay. Yeah, I can do that.

Moderator: Monique, thank you. And then you'll be getting a little link to an Amazon gift card for 50 bucks later today.

Interviewee: Awesome. Thank you.

Moderator: Thank you, Monique.

Interviewee: You're welcome.

Moderator: Pearl of great price. And Monique, good luck with your studies, and congrats.

Interviewee: Thank you so much.

Moderator: You're welcome. Bye-bye.

Interviewee: Bye.

[END]

Interview C: Henry; May 11, 2022

- Moderator:** And I wanted to ask you if it was okay if we record this session. It's just my way of taking notes because I'm 104. It's easier for me to remember it to have a recording than just try to take notes. Is that okay with you?
- Interviewee:** That's totally okay.
- Moderator:** Okay. Then there's one more request. Is it all right with you if we use a screenshot of your face in our reports. We would use your name, but we wouldn't use your last name or any identifying information.
- Interviewee:** Sure, that's fine.
- Moderator:** All the [inaudible 00:00:46] stuff is gone. You can say or think whatever you want. There are no right or wrong answers. My name is Kathy. I'm an independent moderator. We're going to be talking about plastics and pollution. And I have no stock in pollution. I don't know if you buy that. And I have no stock in plastic, so I have no vested interest in any of your responses. You'll notice that my buddy Steve is also listening in. He's my boss, he's my coworker. And he helps me remember some of my questions in the event I forget. Interview lasts 45 minutes, and you'll get a \$50 electronic gift card, which means in an email you'll receive a link to amazon.com.
- Interviewee:** Okay. That's fine.
- Moderator:** All that kosher with you?
- Interviewee:** Absolutely.
- Moderator:** Okay. Good. Because we're going to be talking about pollution, because we're going to be talking about water, what is your favorite sound that's related to water? And I'll go first, and then you can think of your sound. My favorite sound related to water is... And that's the sound that a porpoise or a whale makes when it comes to the surface.
- Interviewee:** Okay. I really love the sound of waves crashing on the beach. One of my favorite times ever was staying at the Atlantis in The Bahamas, and we had a room that was right out, you could see the ocean and just sleeping in late enough in the morning that the sun was already up. And you could just sit there and watch the waves and listen to it. That was one of my favorite memories ever in my life.
- Moderator:** That must have been seductive, my goodness. Wow. Well, how clean were the waters there, do you think?
- Interviewee:** Clean enough that you could actually get into the water up to your chest, and be able to look down and actually see fish swimming in the water? Yeah. Amazing. I grew up in New Jersey, so I'm used to... Ocean water is brown. It's like, "No, it's blue." "No, I live in New Jersey, it's brown." So actually seeing blue water that you can see into was kind amazing [inaudible 00:03:04] the first time.
- Moderator:** And you know what? Think about what your feelings were when you saw water that was cleaner. How did it make you feel about the water back in New Jersey?
- Interviewee:** Sad. It made me glad that anytime I was swimming, I made a point of not swallowing it. It kind of made me concerned about what was actually in that water. Kind of scary
- Moderator:** And did you have any other feelings related to what the water was like, that was so [inaudible 00:03:34] from what you saw?
- Interviewee:** Yeah. In The Bahamas, I felt like I got a bath when I got out of the water. When I got in the ocean water in New Jersey, I felt like I needed a bath when I came out. Quite a different feeling.
- Moderator:** And when you thought back to the water in New Jersey, what were your feelings when you thought back to the waters in New Jersey?
- Interviewee:** Like I say, it just made me sad. It made me think how in the world did we mess things up this bad?
- Moderator:** You know what? I'm going to press you a little bit, Henry. Other people have said, "Oh yeah, it's disturbing," and "Oh yeah, it's sad," but then when I push a little bit, more people are actually pretty pissed. Does that describe you or no? Have I put words in your mouth?
- Interviewee:** I don't think I'm pissed, but I think sad is more really what I'm feeling. I know everybody has to make a living, and people's priorities are different. Some people are more environmentally friendly than others, and some people take shortcuts. Some people don't care as much. It's sad to say, but everybody's priorities are a little different. You never know what the people that screwed it up were really thinking at the time. Maybe they didn't think they were doing anything that bad.
- Moderator:** Yeah. Out of curiosity, Henry, what do you see on your screen?
- Interviewee:** I see you. I see me with a very broken up image. Am I coming through clearly for you?
- Moderator:** Your voice can be kind of fluttery, but it's fine.
- Interviewee:** Okay. Yeah. I'm seeing you nice and clear. Like I say, the image, it shows of me is very broken up. So I just want to make sure you weren't getting that.

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- Moderator:** I'm going to show you some images, and I want you to tell me what you see and how they make you feel.
- Interviewee:** Yeah. That makes me mad. I hate people that litter. I hate seeing people throw things out of their car. I hate seeing people throw things out in the ocean. I'm the first person to actually, if I'm walking down the street, seeing trash on the ground, especially if it's recyclable... There's times I take reusable bags in with me to Walmart and Target, stuff like that. And all the time I'm picking up like receipts, paper, stuff that I know can be recycled. If there's a Coke bottle or something like that, that I know I can take home and throw in my recycling, I'll throw it in my reusable bag. I'll do that. I wish people took more personal responsibility as far as stuff.
- Moderator:** There's water bottles, there's Coke cans, there's whatever else. Can you tell me, in addition to sad or angry, how else do these pictures make you feel? And go ahead and describe them. And as you describe them, please tell me how they make you feel.
- Interviewee:** Makes me feel pity for the next generation. I feel like we're really doing all we can to screw up the world for the next generation. And like I said, that just, it goes back to just making feel sad. It's a shame people can't take or personal responsibility.
- Moderator:** You know what, Henry? Your voice is going in and out so much. Then I'm going to ask you to sign back on again, if that's okay.
- Interviewee:** Yeah, that's fine.
- Moderator:** Oh, thank you very much, Henry. I'll be right here.
- Interviewee:** Okay. So just click the link again, and go all the way back in.
- Moderator:** Yeah. Go all the way back, and then come all the way back in.
- Interviewee:** Okay.
- Moderator:** Thank you, Henry.
- Interviewee:** No problem.
- Moderator:** You see how to leave the meeting? Okay. Don't forget to click on the computer audio, because now there's no sound. There's no sound. Did you click on the computer audio? Now you're mute, and then click that back off again. Okay. And make sure the volume level is all the way up to 100.
- Interviewee:** Okay. Are you able to hear me now?
- Moderator:** Yes.
- Interviewee:** Okay. Zoom actually had me install an update. That's why it took me a minute or two to get back. So hopefully that fixes it.
- Moderator:** It does. You're still going in and out a little bit, but it is indeed better. Thank you for doing that.
- Interviewee:** No problem.
- Moderator:** Thank you. We were talking about how these images made you feel, and you said earlier that you hate people that litter. What are all these feelings about?
- Interviewee:** You just see so many people walk past the trashcan and then throw something on the ground. It's just laziness and self-centeredness, in my opinion. Something me and my wife joke about quite often is you see trash right by a trash can. It's like, "Why?" How is it easier to throw it on the ground than throw it in the trash?
- Moderator:** If you could have one of those people that didn't use a trash can in front of you, or if you had one of those people that was responsible for some of the plastics that you see here, what would you say to them?
- Interviewee:** I don't know why you think your time is more valuable than everybody else. You couldn't take a second to actually do [inaudible 00:10:04]. You have to live in this world too.
I actually live just outside of Colonial Williamsburg. One time walking through Colonial Williamsburg, we actually saw a car drive pass and someone throw a used diaper out the window. And this is like a block away from Colonial Williamsburg. It's amazing. I have a friend who always says, "You have to be careful of people. People are dirty." And the way she says it is really funny when she says it, she gets really animated. But it really is the truth. It's just sad that people would want to live in a world like this. Shouldn't we all be striving to be better and to live in a better world?
- Moderator:** You know what, Henry? I think that's a very interesting observation. What is so special about your time that you can't take the time to throw things away properly? No one else has said that. People have said, "Why aren't you responsible? Don't you recognize what you're doing?" But tell me more how you got the notion of, "How is your time so much more valuable than mine?" That's very interesting.

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Interviewee: Well, I think you see that a lot in the today's world. There's a lot of entitlement. There's people that cut in lines, there's people that race past other people and do bad driving habits and stuff like that, because they appear to be in more of a hurry and where they're going is more important than where I'm going. And it's actually funny. It's something that we joke a lot about. We've become the laid back Virginia people. When we go up north it's like, we're the people that are like, "Oh no, you only have three items. Go ahead of us in the shopping line," or something like that. But down here, it seems like we're the super high intensity focused people that are trying to get ahead everybody else.

Moderator: Right.

Interviewee: It's kind of funny, but I just feel like if there was just a little bit more common courtesy in the world, on everyone-

Moderator: Henry, is there more that you can tell me about how these images make you think of selfish people?

Interviewee: Well, yeah. Absolutely. Somebody that was out at the beach and just left their trash all over the beach, and when tide came in it brought all this stuff out, as compared to walking it to a trash can, or people that just dumped a trash bag out instead of walking it to a trash can. It's all just about selfishness and personal entitlement. I think a lot of people think somebody's going to pick this up back. And I think that's the sad part.

Moderator: You know what? There's some words I'm going to show you, and I'm going to ask you to look at them and tell me which one best describes what you see. And then also, which one contains the most call to action. Which one of these does the best job describing, and which one of these does the best job explaining the seriousness of the issue?

Interviewee: I think that from the pictures, it was ocean litter, because it wasn't just plastic. But I think plastic pollution is a huge problem, especially for the wildlife and everything. And everybody wants to talk about sustainability and sustainable farming, and things along those lines. If we keep dumping as much plastic into the ocean as we are, we're not going to have usable seafood in a generation. We're already at the point now where things are getting over-fished and things like that. But what about all the animals in the ocean we're actually just killing, keeping it from being [inaudible 00:13:51] self-sustaining sources, let alone we're actually eating.

Moderator: What made you pick plastic solution as the most serious, or the biggest call to action?

Interviewee: Well, you hear so much about... I remember hearing not that long ago about there's some big island of just plastic water bottles that's floating out in the ocean, and that's kind of scary. I also remember the visuals of the six pack plastic pieces that actually held soda cans. And how many times they find fish with this, it's actually killed fish. It's actually suffocating them, they've gotten in their gills and things like that.

I've also read recently about the plastic industry, as a whole, getting sued by a lot of different environmental organizations about... They keep saying about everything's so recyclable, but a lot of times it's not even a matter of what could be recycled, it's a matter of what gets recycled.

There's a lot of discussion in our neighborhood. We put out recycle bins, and most people try to be good about what they put out there. Some people put out really dumb things, but there's a lot of talk about our neighborhood, is the stuff actually getting recycled, or are they just throwing it into trash truck at the edge of our community. Is it really getting recycled. I'm a big believer in reuse over recycle. I would rather use a reusable shopping bag than think that I can recycle these plastic shopping bags. I would rather take those plastic bags, instead of taking them someplace to get recycled, use them for some other purpose where I'm not buying trash bags. I think that's-

Moderator: I'm going to show you the... Do you know what, Henry? I apologize. I might interrupt you from time to time. It's my way of keeping pace so we don't stay on here till 10:30, because it sounds like both you and I could talk about this forever.

Here are some results of a survey that we found. I asked you which of those terms was the most serious. And out of, I think it was 900 respondents, people thought that plastic ocean pollution was the best descriptor and was also the most serious, so nearly half, and all the way down to marine litter. What do you think explains the fact that plastic ocean pollution, what received the greatest amount of agreement that it was serious and descriptive?

Interviewee: I think it's once that stuff ends up in the ocean, unless somebody goes out and pulls it out, it's always going to be out there. This is stuff that's not going to biodegrade. It's not something that some new animal is going to come along and eat and actually fix the problem for us. It's a problem work creating that only we can actually fix. And it would be a lot of time and effort to go out there and actually get the stuff out of the ocean.

Moderator: Yeah. Okay. I'm have you... Let's see. Plastic in the ocean. First of all, where does plastic come from?

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Interviewee: Most of it actually comes from petroleum. Am I correct on that?

Moderator: Yeah. Okay. Petroleum products. Out of curiosity, how much plastic do you think that you eat by accident plastic? Plastic that's embedded in the food we eat, or the things we drink. How much plastic do you think you unintentionally eat every year?

Interviewee: It probably wouldn't shocked if it's like a pound, because there's some things with small pieces of plastic in packaging and stuff like that. Anytime you take a swig of a water bottle, there could be a little piece of plastic breaks off of that ring. So many things that we eat are actually wrapped in plastic, that maybe you didn't get all the packaging off. Like I say, it would shock me if it was a pound or more.

Moderator: There's another question I want to ask you, about what percent of the litter that's in the ocean comes from the land, rather than being dropped, littered into the ocean? What percent of the litter that's in the ocean comes from the land, as opposed to being dropped directly into the ocean?

Interviewee: Probably 95%.

Moderator: What makes you say that?

Interviewee: Just thinking about what's left behind on beaches and stuff like that, with the tide. There's a lot of stuff to get swept out to sea. There's a lot of stuff that we never even realized is getting dumped into the ocean, especially from plants and so many things like that,

Moderator: Especially from... I'm sorry, plants? What?

Interviewee: Oh, not like plants, like physical... Like manufacturing plants and stuff like that are directly pumping things into the ocean.

Moderator: Oh, so you see it both as an industrial commercial and residential?

Interviewee: Absolutely.

Moderator: Okay. As it happens, you're not far off. 80% of litter that goes into the ocean, comes from roadside litter, overflowing trash cans, cigarette butts, balloon releases, food and beverage containers. There we are. Also, I want to show you... You know what? There's a problem that we're trying to figure out. It seems that people are ready to understand that plastic or litter in the ocean is really bad, that plastic on the land doesn't seem to matter as much. This is, again, part of the survey that we took. And I can explain this to you if you'd like. We asked how serious a problem things were. And so the most serious problem was inflation and the cost of living. In red, three quarters of the people who took the survey believe it's very important. And another fifth think that's somewhat important or somewhat serious.

Inflation and the cost of living nearly everyone thinks that's very important. And so you look at plastic floating in the ocean, half of the people surveyed think that's very serious, indeed. And then about another third thing that, "Yeah, it's serious." So it's more than three quarters, nearly four fifths or more than four fifths. So the people, plastic floating in the ocean is very serious. But then if you look all the way down, "trash and litter in your community," only a fourth of the people think that's very serious. And then about another third of the people think that's serious. More than half, but definitely not 87% of people believe that trash and litter in the community is very serious. What do you think explains the seriousness in people's minds, between plastic floating in the ocean and trash and litter on the ground in your community?

Interviewee: I really don't know. I don't know where these people live. I live in Williamsburg. Like I said, I live close to colonial Williamsburg, and I feel like we have less trash than most communities. And it still disturbs me, like after a weekend where we have a bunch of tourists down, we'll walk through colonial Williamsburg and it's like, "Oh my God." Our whole area looks trash, but I can drive to Hampton or Newport news and walk down any street. It's just as bad. I don't know why people don't think that that's a bigger problem.

Like many people when COVID first started, and they did the shutdown, and they were paying ridiculous unemployment, I was one of the people that benefited from that, but I was like, "Why in the world are they sending me these big checks?" There was some community groups that were going out and they were actually just doing... If it was community service, just picking up trash and stuff like that in local area. And I actually said it's a shame that they're not making every person that's getting these inflated unemployment checks go out and spend 20 hours a week picking up trash, because I would do it. I'm not above it.

Moderator: I want to know more about what you think is behind people's reaction. There's something that you said before, about the damages done. I'm going to pull this from something that you said. When pollution gets in the ocean, the damage is already done. And when there's litter on the ground, there's still a chance that you can take away the harm. Is that it?

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- Interviewee:** Maybe, but the thing is you still have to do it. If nobody goes out there and picks it up, then leaves fall on it, the next year it just ends up in the ground then we're just... It's one of those things. Litter is a really funny-
- Moderator:** Henry, Henry, Henry. I understand how it happens and how people are careless, but I'm wondering about what explains, how seriously people take this issue.
- Interviewee:** Yeah. I don't understand why they don't take it more serious, because honestly, if it's in my backyard or it's in my community, it's there, it's visual, it's a problem for me. I don't live in oceanfront property, so I would think that more people would take that more seriously. I don't know why people... Maybe somebody assumes somebody's going to come along and pick it up sooner or later if it's on the ground. But that doesn't-
- Moderator:** I think that that's probably a good part of it.
- Interviewee:** Yeah.
- Moderator:** Right. Because I... Yeah, I think that you're probably right, that the wrong can be taken away if it's still on land, whereas once it gets to the ocean, people don't know about it, somebody who could pick it up. I think you're onto something. Could you please look at the third item, plastics and toxins contaminated human food, three quarters of survey respondents, participants said that that was serious. And then chemicals and other toxins in the environment, again, three quarters of people. I thought that was important. Can you explain those reactions, or even what they mean to you?
- Interviewee:** Yeah. I don't think those are things people would come up with on their own, but when it's actually listed as one of the things you can select, certainly people hate thinking about those things. I think that's the reason why that probably got a good reaction. I think if you ask people, what's the 10 biggest problems facing America, I don't think anybody would've come up with that on their own, or least those people wouldn't have. But certainly it is kind of disconcerting, and there are a lot of things in our food that I think we don't even like to think about anymore. You know what I mean? I hate saying the old thing about the acceptable amount of rat droppings, and bugs that are actually in our food, and process plants and stuff like that-
- Moderator:** Like in a can of corn. Yeah.
- Interviewee:** Yeah.
- Moderator:** Oh God. Well, you know what I was going to ask you, what do you think people can do to reduce the amount of plastic that comes into your home? And what do you think people can do to reduce the amount of plastic that leaves your home?
- Interviewee:** Well, there are a lot of companies that are actually doing more environmentally friendly packaging. And I think the biggest thing is making sure that we're making those things cost effective so that people do actually buy them.
- I don't think that people are... I'm trying to think of an okay way to say this. I don't think people are against being more environmentally friendly, I think they're against doing it if it's going to cost 3 cents more. And I think that's kind of what it comes down to. I think the government needs to put some of these companies that are doing things the right way, or trying to do things the right way, they should give them a little bit more incentive to do this. Because if it costs 5 cents more to actually make something more environmentally friendly, it's going to save us at least 5 cents to not have to deal with that plastic [inaudible 00:26:11] other waste, the other litter.
- Like I say, I'm at the point, I'm trying to... I have solar panels. My wife is very much the hippie, I'm not, but yeah I'm the one that's like, "Show me how this can be cost effective and I'll do it." I think it's the same way for a lot of people, when it comes to sustainable practice. It's one thing to [inaudible 00:26:36]
- Moderator:** Henry, thinking of your neighbors or something, perhaps not you and your wife, how does plastic end up in the ocean?
- Interviewee:** Like I say, just people not taking the right amount of responsibility, and us as Americans, companies making things too easy for us. They're putting too many things in one-time use packages, because it's too much trouble to wash out your [inaudible 00:27:04].
- Moderator:** Henry, let's pretend that I'm a water bottle. What happens to me for me to end up in the ocean? What's my path?
- Interviewee:** Somebody buys you as a single used product, they drink you, they've got no interest in reusing use, so they don't properly dispose of you or make sure that you get recycled. Where somebody that honestly is thinking a little bit more on the lawn, uses a reusable water bottle.

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Moderator: Okay. All right. I'm just curious as to how much you believe people understand that, when it's on the ground it eventually ends up in the ocean because of wind or things like that. Here are some proposed legislation and I want to get your reaction to these.

The first is a Bottle Bill, I'm going to describe it to you and then ask the pros and cons, and then perhaps a better title. Bottle Bill, it adds a deposit of 5 cents or 10 cents to the cost of bottled drinks, for each bottle and each can. And you would get that deposit back when you return the bottles or cans to the store or a redemption center. What do you think of that?

Interviewee: I love that idea. I was in Munich about five years ago, and the really great part about their recycle program is you could go into any store that sells cans of beer, bottles of wine, anything like that, and you could get your deposit back. So it was literally like, Okay, well we're staying at a hotel we're right across the street from a store. "Hey, don't forget to take your beer cans and take your..." We're on vacation, so we're drinking a little bit more. Take your couple bottles of wine and everything, go over and get 50 cents euro.

Moderator: Henry, you were talking to me about the lovely sounds of the ocean. I have a hard time... I'm playing devil's advocate. I have a hard time believing that you took time out of your vacation to take the wine bottle to the concierge at the front desk. How much were you getting back?

Interviewee: Oh, it was probably like a quarter a wine bottle, 10 cents a beer can. We didn't take it to the concierge, we were taking it back to the store. We were going to buy more booze. We're going there anyway. But they make it that easy. You can walk into any store that actually sells a bottle, and get your deposit back. And I think it, again, we're lazy, dumb Americans. We need to make this super easy for people to get it. And it's the same way Target gives 5 cents when you use a reusable bag. Nobody does it.

Moderator: Wait, wait, wait, wait. Henry, wait. Which do you think is more important? The amount of rebate or the deposit return that you get, or it being easy? Tell me about that.

Interviewee: I think it's charging people up front, and let people know, "We're going to charge you an extra 5 cents a water bottle," and then making it very easy to bring it back. It needs to be both sides to that. Because what I was starting to say is, Target gives you a 5 cent discount for using reusable bag and nobody does it. But if you go to Aldi's and they charge you 5 cents a bag, have you ever been behind a senior citizen that completely goes nuts because they're trying to charge them 10 cents for their two bags? That's the part that people get. It's not-

Moderator: I still want to talk about this though. Henry, if your wife is the hippie, we won't ask about her friends, but thinking back to some of the people then in New Jersey, is five or 10 cents enough? How easy does it have to be? If you wanted to tell your friend to vote for this, if they saw it on a ballot, what would you say to convince them how the program works and how they would benefit, and how easy it would be for them?

Interviewee: That's the thing. I don't think you'll ever get those people to vote for it. But I think when you do let them know that they're getting charged the extra 5 cents, it will cause them to take it seriously, and that they will participate if it's easy enough. If you tell them they can just save 5 cents, I don't think they'll do it. If you tell them, "We're charging you an extra 5 cents every time you buy this, and here's how you get it back," I think that's the way to get people to listen.

Moderator: Is five or 10 cents okay?

Interviewee: Oh, absolutely. In fact, I would actually say scale that up. If it's a bottle of wine, or a one liter Evian bottle, charge them a quarter. I would say make it tangible. Make it enough that some old guy who's got nothing better to do is going to go out and pick up litter so that he can go to the store and cash in four or \$5 to be able to buy a six pack of beer or something like that. You know what I mean? That's the way I think that we get real change, is incentive.

Moderator: You know what, Henry? This initiative received a very high response in that same survey. What do you think explains that?

Interviewee: Again, I think it's people's reaction to knowing they're getting charged more upfront, and that they have to somewhat be responsible. I think just saying that you can actually get a couple dollars back isn't enough of an incentive, but if you tell somebody that we're actually giving you a surcharge upfront, that gets people's attention.

Moderator: Okay. If this were on a ballot, would you know to vote for this or against this, depending upon your preference? What title would be a better title, if there is one, such that people could understand it on a ballot?

Interviewee: I think Bottle Bill makes sense. I think I would vote for it, but I think I'm in a very small minority. I think most people will actually vote with their pocket books. And I don't see any situation where you put this out to a popular vote, it gets passed.

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- Moderator:** Just checking you think that Bottle Bill, those two words are enough for people to understand that there's a rebate? See, now, other people have said that the title needs to include the word "deposit" or "rebate" or something. Do you think that would be better?
- Interviewee:** I think rebate is very much the wrong word, rebate makes it sound like they're actually going to get money back, they're actually going to be saving something. I think surcharge or deposit is the better of the two words. But I think Bottle Bill kind of sums it up. Again, I think the real way to say is, "You're going to be charged extra tax, extra money," however you want to say it, "Extra surcharge, and here's how you can actually get that money back." I think just saying that there's a rebate, people will never actually equate that to the fact that they got charged [inaudible 00:34:04].
- Moderator:** What if it were called Money Back For Every Bottle? We can go to the next one, but...
- Interviewee:** Well, again, I don't want it to sound like they're going to get money back, that they didn't get charged extra upfront.
- Moderator:** Okay.
- Interviewee:** It should really be written that there's going to be a penalty for every bottle you don't [inaudible 00:34:25].
- Moderator:** I see. You know what? I agree with you, Henry. Here's another initiative, it's called Producer Pays, and this next initiative, this in initiative requires manufacturers who create and use plastic packaging for their products, to help pay the cost of recycling pickup and processing in local communities, thereby reducing the burden on taxpayers. Good, bad indifferent?
- Interviewee:** I like the general idea of it, but the biggest reason why recycling costs money instead of actually making money, is because we don't go out and actually tell people what they're putting wrong in the recycle. The biggest reason why we actually have to pay for recycling is because for yahoo in some building, actually has to say, "Obviously your old air filter is not recycled. Your old coffee maker is not recycled, bottles [inaudible 00:35:22] recycled."
- Moderator:** Well, thinking about not necessarily what happens to each recyclable thing, I'm wondering how appealing or not it is that the producer pays for recycling instead of the residents and taxpayers.
- Interviewee:** It sounds good on the surface, but obviously they're going to be tacking that money onto the consumer, and the consumer's still going to be the one that pays it. So I don't really see much of a difference. If I'm paying \$50 less to recycling once a quarter, but I'm paying an extra \$55 to the products I'm buying, I don't think I'm going to come out ahead.
- Moderator:** Very interesting. So this bill is a wash?
- Interviewee:** Yeah. I don't think it really fixes the problem.
- Moderator:** Let's go on. Oh, by the way, what do you think of that title and how descriptive it is, and how useful it is for people who want to understand or vote for that bill?
- Interviewee:** Just reading the title, it already told me exactly what it was. I think it self-explanatory.
- Moderator:** Let's go to the next, reduced packaging. And this initiative requires manufacturers to use less plastic and product packaging.
- Interviewee:** I love that. That's my favorite one so far, because I think there should be incentives to businesses to actually use less packaging, to use less plastic, to use less anything that's not easily recyclable. I think that's a great idea.
- Moderator:** I am shocked by your response, because the producer pays is a wash, but what makes you think the manufacturers are actually going to do this and pay attention to it?
- Interviewee:** They're required to do stuff.
- Moderator:** Yeah.
- Interviewee:** I hate saying that like that, but it's like if you're leveling the playing field, because there's some companies out there right now trying to do this, and it might not be cost effective, but because of that their prices are a little bit higher than the other guys. And the average consumer goes in and it's like, if you can buy a two liter of soda for 98 cents, or you can buy the more environmentally friendly one for a dollar three, they're going to pay the 98 cents. You know what I mean? They're always going to, again, go with the lower cost. They don't really think about the long term. But if you make every company think about these things and hold every company accountable, there's no reason why there should be a difference in this.
- Moderator:** Henry, what's good or bad about a level playing field?
- Interviewee:** Again, I think there's a lot of companies that are out there trying to do the right thing, and I think a lot of those companies don't get traction, because when you try to explain to a consumer this is why my product... We go to the marketplace, there's three products that look identical, one's 5 cents more,

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you don't have a preference as far as the brand. We all do it, we all grab the less expensive one. If you actually level the playing field, you're going to make the ones who don't care hold themselves the same standards and the ones that do care. You're going to give the ones that actually do care and are trying to do the right thing, a better chance to be on that level and have the consumer pick them just as easily as the other one.

Moderator: I think you're right, but who is going to enforce this, Henry?

Interviewee: It's got to be the government. And I don't even think it's matter if you give tax incentives, I think you give penalties.

Moderator: Okay.

Interviewee: Businesses-

Moderator: But which government body is going to do that?

Interviewee: Well, for anything that comes down to food, it should be the FDA, I think.

Moderator: Okay. And then what about Barbie dolls? I've got to postulate that it would probably be the state of Virginia who had to enforce this. What kind of job do you think the state of Virginia would do in enforcing this?

Interviewee: Probably not that good. They probably do a lot better job than a lot of other states, but it's just nowadays that everybody's so understaffed, that I think asking any government agency to take on some broader, big responsibility, I think [inaudible 00:39:46].

Moderator: Where do you think the state of Virginia would do a pretty good job enforcing this? And where do you think the state of Virginia would fall off in its effectiveness with this?

Interviewee: Well, again, I think Virginia would do better than most states, but I think the day-to-day stuff, I just don't think that there's any government agency out there right now, in the country, that's actually well enough and [inaudible 00:40:07] something like this out effectively.

Moderator: So if it were the state of Virginia, but if it were... The Chesapeake Bay Foundation, or people poisoning plastic or something, what about a not for profit organization? What would you expect from them?

Interviewee: I don't know. I'm not really sure that I would trust a private organization, even a nonprofit, to actually do this and not be bribable, or not be flat out. Where there's power, there's corruption, but it's the same way in the government-

Moderator: The guy from New Jersey. But Henry, if this is your favorite, then how are you going to make it work if you believe that it's so vulnerable to weak enforcement?

Interviewee: Well, I think if you throw that out there and there's penalties, that sooner or later a company's doing the wrong thing... Hopefully the penalty is big enough that it scares people into doing the right things. You might be not following the rules for two years, but when you do get caught they come down hard enough on you, that it does make a difference, and the company actually does threat not doing things quite.

Moderator: Let's go to the next one. This next one is called Single Use Plastic Bags. There are two options, the first is place a 5 cent fee on the single use plastic bag to discourage its use, so people choose paper or reusable bags instead. And the second option is ban single use plastic bags, ban single use plastic, grocery, and shopping bags, and require paper or reusable bags instead. Tell me what you think.

Interviewee: I love the second part, because I've been doing this for years. My wife, when we first met, pretty much thought it was horrible that I did excuse was reusable bags. Pretty much beat that into me from the get go.

Moderator: Yeah you wouldn't have gotten any further with me either.

Interviewee: But it's actually funny, something that we give to friends and family on a regular basis as small Christmas presents and stuff like that is like, "Hey, we've found these really neat reusable bags."

Moderator: Christmas?

Interviewee: Yeah. It's funny, small Christmas present suffers, whatever. But like I say, this goes back to what I talked about at Aldi's, is people freak out if you charge them for a bag, but they don't appreciate it when somebody gives you a discount for using a bag. I think both parts are a good idea. I'd love to say the second one would be a huge win, but you'd have people losing their minds [inaudible 00:43:02] tomorrow if you told them that they're not going to have plastic bags. It's just not something I think our society could deal with today. I think charging them 5 cents, people would get mad, people would be disgruntled, but I think people would lose their minds if you just abandoned it. That's just my opinion.

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- Moderator:** You had pointed out that there was a senior citizen in the grocery line who was throwing a fit because there was an additional 5 cent fee or something on their bags. It does hurt some people. Now, what do you think most people will do? Will they just pay the extra amount for the plastic bag, or do you think that they'll bit by bit use reusable bags?
- Interviewee:** I think most people just keep paying the 5 cents. It's sad, but it's like every company that's progressive, with any of these things, Aldi's, Target, Lidl, they're all European countries. We think that we're enlightened Americans, but you go to Europe and people have solar panels. People are doing all these little things to make such a difference. They've got more economical cars. They don't have gas guzzlers. They've got electric cars. They don't have big SUVs. We've turned-
- Moderator:** Henry, in that survey that we were talking about earlier, the band was more popular than the bag fee. What do you think explains that?
- Interviewee:** I think people aim higher than they actually think they're going to [inaudible 00:44:41]. Like I say, I love the second [inaudible 00:44:45]. I would love to walk around to every one of my neighbors in my community. We've got 165 houses in my community, and I would love to walk around to every one and say, "I just bought you two reusable bags. You're no longer allowed to use plastic bags." But most of my neighborhood are older than I am. And most of them would be like, "Get off my property, you hippie." You know what I mean? I think it's unachievable for America to pull that off in a two year span. I think if our goal was to do this, and we said by 2030, we're going to ban all single use plastic bags, I think that would be a lot [inaudible 00:45:23].
- Moderator:** No matter the option, do you think that the option should be uniform across the entire state of Virginia, or do you think that the options should be specific to a local community, or even a store? Local or statewide?
- Interviewee:** I think statewide, and I think throwing out both these options, and maybe a Target says, "Hey, we are no longer going to give plastic bags. And people either will love us and get their own reusable bags and figure this out, or they won't." I think you can't roll this out in certain communities, because you're going to have some people just say, "Well, I'm not going to pay 5 cents to Walmart Williamsburg, so I'm going to drive to the Newport Houston. You know what I mean? I think that loses any effectiveness if you just make it up to the community. I think if you did this statewide, or even countrywide, and said flat out, "This is just the new reality. This is how it is," but people don't have much choice. But if you give people a choice, I think they'll try to figure a way around it.
- Moderator:** What if the word fee were changed to tax?
- Interviewee:** I don't think that makes a difference. I think if anything, it's just going to make people feel like it's more something the government is trying to do to raise money than to actually have an impact on things. Tax is never a more positive word.
- Moderator:** Oh I know, but I was thinking actually the opposite of you. But maybe that's not true. So for example, I might pay a fee, but I would try to avoid a tax. Do you think that the word tax would make the bag fee any stronger, or no?
- Interviewee:** No. I think it would make it more negative. I don't know. I just have a feeling where it'd be, more times than not, I think if you leave it as the word fee, it's one thing, but if you leave it as a tax, I think people are going to be, "Great, one more tax I have to pay."
- Moderator:** Well, that's the question. So which would cause people to not use plastic bags as much? I'm thinking of if I'm going to go to the grocery store and spend a hundred bucks, I really don't care if I spend a hundred bucks and 35 cents, whereas I might bristle at the word tax saying, "Well, forget that. I'm going to bring my own bag next time." No?
- Interviewee:** I don't think that effect it makes much difference. I don't think it's going to change how it rolls out or how people deal with it. I think it might just make people [inaudible 00:48:17].
- Moderator:** You think it's going to piss people off without any good result?
- Interviewee:** Yeah. I don't see anybody saying I liked it as a five cent fee, but I can't deal with it as 5 cent tax. So because of that I'm going to use reusable bags. [inaudible 00:48:36] stir the pot. It's not going to have the desired effect.
- Moderator:** Okay. Here's one more initiative, Polystyrene or Foam Containers. That's the name of the proposed bill or legislation, ban polystyrene, ban polystyrene or foam takeout containers, and give restaurants two years to find alternatives.
- Interviewee:** This would've been great legislation back in 1990. Any restaurant that knows anything should have stopped using foam takeout containers so long ago. There's nothing worse. If I come home with anything Styrofoam, my wife [inaudible 00:49:19]. And it kills us sometimes, some of our neighbors take Styrofoam packaging and they put it their recycling. And that's all I can do to keep her from going up and knocking on people's doors, and going, "Are you insane?" You know what I mean?

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Moderator: Why are you stopping her from doing that?

Interviewee: Because I still need to live here. This is something that not only do I support it, I think that it should be given two months or two weeks to find alternatives. Because there's so many alternatives out there. There's so many things that are compostable, there's so many things that are easily recyclable and cheaper for the restaurants. I have no clue why places are still using Styrofoam.

Moderator: Well, Henry, my YMCA is across the street, and they still use those polystyrene cups, and I buy them paper cups. And I can tell you that the paper cups are way more expensive. I do sympathize with restaurants, to some degree, that it might take two years to find ways to be as profitable or something. I don't know. But in your opinion, it should be two weeks.

Interviewee: Again, in my opinion, this is something that should have been done a few decades ago.

Moderator: What makes you say that, Henry?

Interviewee: Because we all knew that Styrofoam was the worst crap that regularly goes into our trash, a long, long time ago. And that there are a lot better alternatives out there. There's so many companies that have moved away from Styrofoam over the years, just because they were trying to do the right thing. I still feel bad about any company that hasn't made an attempt to get [inaudible 00:51:10].

Moderator: Well, there's talk of extending that two years to six years. What do you think about that?

Interviewee: I would actually say make it one year, and just say after a year you're not going to be able to buy Styrofoam anymore, and you can use up whatever you have left in your inventory. And I think that would be safer. And yeah, there's going to be some companies that buy a 20 year supply, and are jerks about it. But I think that would be the better way to do it, because I think the one thing, the reason why you have to give a good period of time is, well, what if a company says, "Well, I've got 5,000 of these," or something like that. "You just want me to throw them away. Well, that's not solving, that's not making it any more environmentally friendly for me to have to throw these things away. I would say make it a lower amount of time that you can actually buy these alternates, and stop places from making them.

Moderator: That's interesting, because then the different restaurants could explain what's coming, and they could explain that the upcoming alternatives are better. Okay.

Interviewee: Yeah. If you make it so that they can't buy them anymore, that's, in my opinion, is the way to fix the problem.

Moderator: I think so too. Henry, I don't have any more questions for you. Do you have any questions for me?

Interviewee: No. This was actually very interesting.

Moderator: If I were to scroll back through those proposals, I want you to pick the one that you want the most. So we'll go back to the beginning. It is Bottle Bill. That's the deposit. Then the producer pays rather than the taxpayers, then there's reduced packaging, reducing the amount of plastic, and the single used bags, either a fee or the ban, and the banning of the polystyrene or foam containers.

Interviewee: Could I pick two?

Moderator: Yes. You can pick two, [inaudible 00:53:05] your first and give me your second though.

Interviewee: All right. I really like the reduced packaging, because I think that really helps level the playing field for so many companies out there trying to do the right thing. And I love the reusable bag idea. It's so much nicer to me too. I use reusable bags, I never have a bag split stuff, fall out all over the ground, like I see happened to so many other people. It's less trash, it's less everything. I don't understand why everybody's not using [inaudible 00:53:36] bags. We were in Paris one time and I think it was at a Disney store. And if you wanted a bag, the only bag they had was a very nice decorative Mickey mouse bag that was three euro. And I was buying something that was eight euro. I'm not going to three Euro for the bag, I'll just walk around carrying it the rest of the day. That solves the problem you, if you make it-

Moderator: Tell me what made you pick the first one. What was your first one again?

Interviewee: The reduced packaging.

Moderator: Tell me what's important about that for you. You mentioned it would make a level playing field. Tell me how the bag one is important for you.

Interviewee: The bag one's something I've been doing for a long time and it's just so much... It kind of took a little while to get used to, having to keep these things in my car and having to remember to take them in. But it's so much nicer. I know exactly how much fits in these bag, because I know the bags aren't going to break on me. It's just less cleanup time when I bring home groceries and stuff like that, because I'm not trying to figure out what to do with all these crap bags.

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Moderator: In terms of effectiveness for reducing the amount of plastic that's out there, of these five or six, which one or ones do you think would be the most effective in reducing the amount of plastic that's out there, or that ends up in the ocean or seas, or river?

Interviewee: I'm still going to say the plastic tags. I think that the Bottle Bill would be a big help towards keeping things out landfills and out of the sea, because I think not only will people be more likely to recycle. I think there will be some industrious people out there that are actually out picking up trash and [inaudible 00:55:18].

Moderator: I lived in Massachusetts where there was a 5 cent... They used to call it deposit, and kids would go along the highway, and they'd pick... Because they wanted more lunch money or whatever it was. And it was a way to make money for some people. And then also it was a family outing for us. But anyway. I have no more questions for you, Henry. You will get a \$50 Amazon link in an email later today, or tomorrow. Thank you so very much, Henry. Thank you. Thank you. Thank you.

Interviewee: No, thank you. This was very interesting.

Moderator: Good. I'm glad you enjoyed it then. [Foreign language 00:55:57].

Interviewee: All right. You have a good one.

[END]

Interview D: Jamie; May 13, 2022

Moderator: I'm a 104 years old. So we're going to record this session if that's all right with you. It's my way of taking...

Interviewee: Totally fine with me.

Moderator: Okay.

Interviewee: So totally fine with me.

Moderator: I live in Delaware. Where do you live?

Interviewee: I am in Virginia.

Moderator: Okay. So we're going to be talking about water and things in the water and all that kind of things. But I thought before we really get to know each other, we might play for a second. I'm going to make my favorite sound that's associated with water. And then I'm going to invite you to make your favorite sound associated with water. Here's what mine is... Mine was the sound of a whale or a dolphin. What's your sound?

Interviewee: Okay. Mine is how I feel like water when it's coming out of the hose.

Moderator: Fun. I remember that as a kid. Okay. We're recording. I have people observing.

Interviewee: Okay.

Moderator: Let's see. This will going to last about 45 minutes. And there are no right or wrong answers. Now I'm not the Queen of Sheba. You don't have to make me happy or anything like that. So what is a day like for you in Virginia?

Interviewee: Well, it's pretty monotonous and boring right now. I am currently in graduate school, so I'm working on my doctorate. So I wake up, and I sit and try to analyze things. And that's pretty much my day.

Moderator: Where are you?

Interviewee: I'm in Norfolk, Virginia.

Moderator: Norfolk. Okay. How disappointed do you get when people say Norfolk?

Interviewee: A little bit, but I'm used to it.

Moderator: I live in Rehoboth and anytime anybody says Loos instead of Lewes, of course. So other than getting up and chaining yourself to the computer, what else might you do if you were allowed to go outside?

Interviewee: I go on a lot of walks. So I do go on a lot of walks and exercise. I like to go spin and ride my bike outside. And a lot of times I go walking with friends so it'll be like a social activity.

Moderator: Any of your friends have four legs?

Interviewee: I do. I don't have any four-legged friends in my house, but I have a lot of friends with four-legged friends that will also join us on our walks.

Moderator: Good. What are you getting your doctorate in, Jamie?

Interviewee: Curriculum and instruction, so education.

Moderator: I'll try to behave. Looking at some pictures and I'd like you to tell me, just think out loud, don't filter anything. And tell me how you feel.

Interviewee: Okay.

Moderator: Here, come the pictures.

Interviewee: All righty.

Moderator: Here they come in any minute. Hey, Steve, picture?

Interviewee: Okay. So I feel a little sense of disappointment, honestly, but also real. So I live in Norfolk, so there's water in my backyard, and I also see stuff brush or sweep up high tide lately. There's actually was a lot of trash in my own backyard and so kind of relate to it as well. I'm kind of curious about what's going on in the bottom picture with the... I don't know, the orange thing.

Moderator: I should mention that you don't need to hold back here. No need to be polite.

Interviewee: Oh no, no, no, I'm not. I'm saying I'm wondering what's going on when I see the bottom, when I'm kind of wondering what the orange thing is so that it has all of the trash clustered together.

Moderator: It reminds me of at like a summer camp where they have a barrier for when the kids aren't supposed to go past a certain place. But I have no idea what it is. Based off the caption of water pollution solution, I'm guessing that it's some sort of solution for trying to gather the trash together so that it can be easily cleaned up and disposed of and not just dispersed all throughout and almost like to get the tide to push it to a certain point or the current to push it to a certain point. And then it's easy to pick up and clean. Okay. You said disappointing. I don't know that I would call this disappointing. Are there

Interview D: Jamie; May 13, 2022

other synonyms that perhaps describe your feelings? I mean, disappointed is what my mom used to say when I didn't make my bed. This is hardly the same.

Interviewee: Well, I think of that a little bit like, so when I go on the walks and stuff. So I'm in Norfolk, and I'm at like the back of water. So when I said kind of relevant and I relate to it, but lots of times I will see people throw the trash. And so in the back of a cove, for example, and there's trash cans nearby. There's still trash, just littered there. And so disappointing in people that a lot of times I see them actually litter, but I also recognize that sometimes it comes from other ways of getting waste in the water. I don't know what all those other ways are.

Moderator: But it's so diplomatic. Now, other people have said angry. Other people have said pissed off. I mean, are you really disappointed? I mean, what other feelings might you have?

Interviewee: I think I'm like a very matter of fact person. So I don't really know if it makes me angry. Maybe angry would be an emotion that I would have. I mean, I don't think I don't care about pollution, but I don't think I'm someone who acts like it's one of my top priorities, I guess. So I don't think I necessarily prioritize it enough to feel really angry by it.

Moderator: Huh. Okay.

Interviewee: Personally, in my own life, I try to do what I can, but I don't necessarily go out of my way to make it a priority, I guess, or something that is the most important factor to me.

Moderator: Okay. Well, so words are coming up. And I want you to pick, among the words that come up, the one you think that best describes the images that you saw or the one that is the most serious, that does a good job of conveying the importance of pollution.

Interviewee: So the word I think would convey the importance the most?

Moderator: Jamie, can you get closer or something? Your voice goes in and out. You might be too far.

Interviewee: Oh, okay. Let try to take off my headphones. Is this any better?

Moderator: Considerably.

Interviewee: Okay. Plastic ocean pollution maybe. Maybe that's I think the one that conveys the biggest issue.

Moderator: Okay.

Interviewee: But I feel like...

Moderator: It conveys the seriousness of it?

Interviewee: Yes. But I feel like, I can't remember if everything in the picture was plastic and maybe not necessarily an ocean. So maybe I would think marine litter or marine debris to describe the pictures, so plastic ocean pollution maybe sounds the most pressing, I guess, like something that needs to be taken care of. I feel litter and debris, I feel like suggests just like more of something happening. The pollution, I think to me, signifies something a little bit more severe and problematic.

Moderator: How does plastic ocean pollution signal severe and problematic?

Interviewee: I think the inclusion of pollution versus just litter and debris. So I think pollution, when you hear pollution, you think of really bad. Litter, I think of as being less severe than pollution, I guess. It's still bad, but it doesn't carry the same weight and problem of it. And then debris I can think of... I don't know, debris, I sometimes think of other things as being debris, like natural debris too rather than just like plastics in the... I think of debris sometimes as being like tree falling down, that's debris or things like that. And so I think also putting plastic in there also gets to the idea that it's not a manmade debris.

Moderator: Okay. Let's go to... We took a survey. I think there were 900 respondents. And we asked them the same question as you. And we asked them specifically, which seems more serious of the words that you saw. And so plastic ocean pollution was, like you, half of the participants responded said that was the most serious, and marine litter was 19. Do you know what? Tell me why the word litter is less severe or less serious than pollution. If you could explain that, why do you think people responded this way?

Interviewee: I think that pollution is often thought of as being more harmful than litter. And in my head, I think of litter as...I'm trying to think about it. I think of pollution is including more bad things than just litter. So pollution, including also like smog and smoke and oil and gasolines and things like that rather than just objects and trash. And I also think of litter... You see people litter all the time, and it's something that you talk about since elementary school, like don't litter be a good person. And so avoid litter or a fine for litter. So I think it's also a little bit more normalized, I think. But pollution also normalized, but it is always discussed with this weight of like, try to reduce your pollution by carpooling with one another. And it's kind of, I think thought of as weightier than litter, I guess, even though litter is a form of pollution. But I think people think of pollution as encapsulating more. I don't know.

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- Moderator:** Why do you think that people are so motivated about plastics in the ocean compared to plastics on land? Because plastic that's littered is bad. So what is so bad? What makes it so serious to have plastic in the water compared to plastic on the land? Why is one more serious than the other do you think?
- Interviewee:** One, it's probably harder to manage. The ocean's much faster, I guess. And then two, I think all the pictures of like turtles and fish being suffocated and things like that by plastic, I think the media presence of it I think, probably makes people think it's more severe than...
- Moderator:** Where do you think plastic in the ocean comes from?
- Interviewee:** The term or literally the plastic in the ocean, where does it come from?
- Moderator:** How does plastic get into the ocean?
- Interviewee:** Oh, I think waste facilities sometimes. I don't know. I feel like I can see these ones in my head, like pictures in my head, similar to the ones from earlier, but where it's literally covering the ocean and it talking about Asian facilities or dumping. There's no way to... It's like a solution for putting waste in. I think it comes from carelessness of people, but that's probably a smaller amount of it. I feel like it's...
- Moderator:** Jamie, if you are saying that you've seen trash on the water where you are in Norfolk, where does the plastic...
- Interviewee:** How does that get there?
- Moderator:** Near you. How does that get in the water near you?
- Interviewee:** People just throwing it or it getting blown away and no one going after it or not disposing of it properly.
- Moderator:** Okay. What percent would you guess of the plastic in the ocean comes from people or things? What percent of the plastic in the ocean comes from the land and what percent of the plastic in the ocean comes from sources in the ocean? What is your guess?
- Interviewee:** Well, I don't think I've ever thought of it coming from the land before, but then if I think of the whole, I can see how... I don't know. I have no idea.
- Moderator:** A number?
- Interviewee:** A guess, I'd go with... Well, I mean, it all probably comes from the land at some point versus like...
- Moderator:** A number, Jamie, a number.
- Interviewee:** 70%.
- Moderator:** It's 80.
- Interviewee:** Okay.
- Moderator:** So 80% comes from litter by the roadside, overflowing trash cans, cigarette butts, balloon releases, food and beverage container. So is there anything more that you think about when you think about plastics floating in the ocean?
- Interviewee:** No.
- Moderator:** Okay. So let's go to some survey results. I mean, you're in grad school, so you know how to read this, but the 900 people, what they thought were serious issues in their life. And what was in red is very serious and what's in yellow is somewhat serious. So people considered inflation and the cost of living to be very serious in their lives. So you can see 96% of people altogether thought that inflation and the cost of living was very serious. Next comes plastic floating in the ocean, 55%, 32%. So 87. And so what I want you to kind of figure out or explain to me what you think explains the difference between plastic floating in the ocean as being very serious at 87% and then trash and litter in your community, 61%. What do you think explains that difference?
- Interviewee:** A few things. I think, one, I don't know where every... Oh, this was Virginia. Okay. Well, not all of Virginia is close to the coast. So I think people probably in more coastal areas, definitely I would assume that they might associate the litter in your community and the ocean being the same so that I would kind of think there might be more overlap there. But then I also kind of like, even how earlier you asked me, what percent do you think started on land? I don't think people make the connection between the litter in your community making its way to the ocean. And so I think that people think of litter in your community as being a smaller issue because it's maybe confined to your community on land versus making its way into the ocean and floating all around.
- Moderator:** Well then Jamie, I'm not asking how did it get there? I'm asking what makes you think one is way more serious than the other?
- Interviewee:** Well, I think that people think their community might be a smaller piece. So it's not as serious as a bigger ocean community, like a global issue of plastic floating in the ocean.
- Moderator:** I see.

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- Interviewee:** And then also kind of like plastic floating in the ocean also has a more pressing larger issue. In the media, on social media, on the internet, in the news, you see pictures of these places globally where there's just oceans covered in plastic. And so I think that versus looking on your sidewalk and taking a picture of water bottles or trash or plastic bags or something, or cigarette butts on the street, I feel like there's more attention drawn to the idea that plastic floating in the ocean is bad on a global level, rather than attention drawn to litter in your community.
- Moderator:** Thinking of social media. Have you ever seen any social media about littering?
- Interviewee:** Not about littering in the sense of someone throwing it on the ground, in their own community, no.
- Moderator:** And what have you seen on social media regarding plastics in the ocean?
- Interviewee:** I think, I just remember seeing pictures of other... I don't think I've really engaged with it much, but I think I've seen people reposting articles that talk about these areas of the ocean that are just like... There's a picture where it's just bumper to bumper plastic trash in the ocean. And there's no visible water in sight. It's just all covered in trash and people talking about this is an issue that needs to be addressed and to reduce plastic use and things like that. But I don't really think I've clicked on or read thoroughly very much about it.
- Moderator:** Okay. Can you tell me what plastics and toxins contaminated to human food, that was very serious for three quarters of the people. And then chemicals and other toxins in the environment, that was again serious for about three quarters of the people. What do you think about that?
- Interviewee:** Mm, I think the word toxin...
- Moderator:** Wait, I'm sorry, Jamie, I made you do too many things at once. Please give me your reactions to why people thought it was so serious that there are plastics and toxins contaminating human food. What makes that so serious?
- Interviewee:** I think the word toxin also makes it sound more serious. Just kind of the toxin, toxic, it just kind of carries a serious weight to it, I think. I think if I looked at that, I'd be like, yeah, that's a serious issue, but I don't know if I'd be able to really explain why it might be. It's not really something that I think of too much beyond the idea that people want to have GMO free food or organic food or things like that. I see how the push for organic and lowering GMOs and stuff in food, that's a very popular topic, and it has a lot of like a large following. That's why you see more of it in grocery stores and more things advertised in that way. But I don't know if I know what the consequence of the non-organic and having genetically modified food is, I guess.
- Moderator:** Okay. See if you could tell me why people also thought chemicals and other toxins in the environment, not necessarily in the food, what made that a serious issue, do you think?
- Interviewee:** I don't know because I would think if I see that I think about carbon emissions and the ozone layer and relating to a bigger issue of climate change, but then climate change is farther below that. So those are different. So I don't know. I'm thinking, but I'm not coming up with anything.
- Moderator:** Well then, let's go to the next slide. Actually, what is the raw material that people use to make plastics?
- Interviewee:** I have no idea.
- Moderator:** Can you take a guess?
- Interviewee:** Some fiber of some sort, but I've no clue. I'm only thinking of things that I know are wrong.
- Moderator:** Well, plastics are made from petroleum, petrochemicals.
- Interviewee:** Okay. There we go. I should know that. I think I've taught that before in elementary school science.
- Moderator:** So now that you know, or now that you've re remembered that plastics come from petrochemicals, what more do you think about plastics?
- Interviewee:** How they come from a non-renewable resource, and those are limited. And so when I think about using plastics and the idea of recycling plastics or reusing plastics, it's not just the purpose of not polluting and littering, but also this idea that it comes from a non-renewable resource. That's my very third grade teacher answer with my third grade knowledge.
- Moderator:** Therefore, you've explained it. I mean, therefore, you should do what? I still don't know what your feelings are, what your intentions are.
- Interviewee:** Try to limit your use of... I guess that would make me feel like I should limit my use of plastics more.
- Moderator:** Okay. What makes you say that?
- Interviewee:** I don't think for myself personally, I could be like, I'm going to live a plastic free life. I don't know if I prioritize it that much, or if I think I'd make the changes to do it. But I think that hearing those sorts of things make me want to do things like use reusable, limit my plastics in ways that I can.

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- Moderator:** A recent study indicated that an average person eats several pounds of plastic a year. Is that a surprise to you?
- Interviewee:** I think so, yeah. Several pounds. I think if it was like one pound, I might be like, I can see that, but several pounds I think is surprising.
- Moderator:** Well, how does plastic get into the food anyway?
- Interviewee:** Manufacturing problems? I have no idea. I don't.
- Moderator:** So thinking back to the image of the plastics in the water, does that give you a clue as to how plastics might end up in food?
- Interviewee:** A little bit.
- Moderator:** Okay. What would that little bit be?
- Interviewee:** [Inaudible 00:24:33]. I guess, if it's like...
- Moderator:** Jamie, can you get closer to your microphone?
- Interviewee:** Oh, sorry. Is this any better?
- Moderator:** Yes.
- Interviewee:** Okay. It's you saying that the picture of plastic in the water does help me think about water because water goes into your food and conservation of water. So it's not like the water that's in the ocean's going to be used to be put in the water in farming or water that's being used by plants. The water's all the same. And so if there's plastic in one, I can see how there's plastic in the other. But I wonder, I don't know how it directly gets in there, I guess, because I don't think of plastic breaking down into small enough... I guess it does break down into small enough pieces that it's in your water, but I don't think of it as decomposing necessarily in the way other things do. And so I wonder how that happens. I can make the connection, but I don't know how.
- Moderator:** Okay. Well, let's start with, you said that you might try to reduce the amount of plastic in your life, and you showed me your Yeti or your usable container there. What else might you do to limit the amount of plastic coming into your home or the amount of plastic leaving your home?
- Interviewee:** This is like a really stupid one, probably, but when I order things on Amazon, I try to do all in the same day package or wait for the week... I don't order less necessarily, but to consolidate what I do order.
- Moderator:** And how does that reduce plastic?
- Interviewee:** Very minimally. The plastic that is in the packaging that buffers the boxes or the actual package itself that has these sometimes the plastic lining, so like super minimally. But I try to buy less plastic bags and use grocery totes instead of getting bags every time I go to the grocery store. I have my own straws for when I go out, not reasonable. I mean, very little things that are very minimal in the scheme of things probably.
- Moderator:** Tell me one more thing you might be able to do to reduce the amount of plastic coming into your home. And you could think of leisure. You could think of shopping. You can think of sports. Think of anything that might reduce the amount of plastic coming into your home.
- Interviewee:** Oh, I have tried. I haven't loved, but some of the brands that have tablets so that you reuse a glass bottle for your cleaning products instead of going out and buying. I've tried one. I've tried it a couple times.
- Moderator:** How'd it go?
- Interviewee:** I think I still like a bottle of Clorox a little better. But for the purposes of, I felt like it... I don't know, it seemed cleaner to me, but I still use the other one for more routine. I use the reusable, detergent fill up bottle thing more regularly, I guess. I try to use that more than a Clorox bottle.
- Moderator:** Okay. Way we call those little bits of plastic as you described that can't necessarily say breakdown because it's not a chemical process, but it's a physical process where the bits of plastics become smaller and smaller and smaller, and we call those particulates or micro plastics. Which word do you think has more information, is easier to understand?
- Interviewee:** Probably micro plastic.
- Moderator:** What makes that one better than particulates?
- Interviewee:** That it just has the prefix micro and people understand micro means smaller so small pieces of plastic.
- Moderator:** I'm going to ask you about some public policy initiatives. I'll describe them. And then I want you to give me your reaction. The first one is the bottle bill. And here's what the bottle bill is. The bottle bill adds a deposit of five or 10 cents to the cost of bottled drinks in bottles and cans. And you can get the

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deposit back when you return the bottles or cans to a store or redemption center. So good, bad, or indifferent, Jamie?

Interviewee: I think that I'm indifferent to that one.

Moderator: On the one hand, but then again?

Interviewee: Yeah, I think that because you have the deposit and you get it back that people wouldn't be able to complain about the upcharge of it necessarily because they could make their effort to get it back. And then on the other hand, I think it's good that it would be incentivizing someone to return and recycle or reuse this. But I also wonder for what is being returned, what actually will get done with that.

Moderator: What do you wonder will happen with it? So I have a bottle or you have a bottle and you take it back and you get your nickel or dime. And then what do you think happens to that bottle?

Interviewee: Well, so I guess I wonder where it will be sent and what it'll be done with.

Moderator: And what do you think will happen?

Interviewee: I think they would say it would be recycled and sent to some sort of recycling plant, but I know that not all of these things sent to be recycled get recycled.

Moderator: So where do you think it would end up in the end?

Interviewee: The ocean.

Moderator: Okay.

Interviewee: Or a landfill or something. It would wind up just being deposited in the earth in some way.

Moderator: So this bill is useless.

Interviewee: Well, I'm saying, I wonder what amount of it would end up there versus actually being recycled in some way. I don't know what percentage of things that get recycled actually get recycled and what winds up in a landfill or in the ocean. And so, I think depending on whatever that percentage would be, would make it good or useless.

Moderator: What if we had something like, right now we recycle 30%. We're hoping to get to 40. Would that in any way help that you have a number in front of you?

Interviewee: Yeah. Because it'd be 10% better, and every little bit counts.

Moderator: Well, would that give you any more confidence or not that it's actually being recycled?

Interviewee: Oh, no, because if they're just saying we hope to get there, then it doesn't actually give me any confidence that it will be recycled.

Moderator: Can you think of a name that's better? For example, if bottle bill were on the ballot, how would you know what to vote for? Give me a name that would help you understand what you're voting for or against?

Interviewee: Mm. I think to include something, a word or a few words or short phrase that would kind of summarize the idea that it's a deposit that's returned because bottle bill, people might just think that it's just being charged.

Moderator: So returnable deposit or something, okay. Then let's go to the next initiative. And that one is called producer pays. So the producer pays initiatives, require manufacturers who create and use plastic packaging for their products to help pay the cost of recycling pickup and processing in local communities, thereby, reducing the burden on taxpayers. Good, bad, or indifferent?

Interviewee: I think I'd want more information to make a judgment. I'd want to know...

Moderator: Well, you have to make a judgment with the information in front of you.

Interviewee: Indifferent.

Moderator: Tell me what makes you indifferent.

Interviewee: So I think rather than indifferent, it might be better to stay neutral, but reducing the burden on taxpayers, I think would be something that would be good. But then also the idea that you're trying to help pay the cost of recycling and then hopefully improve and increase recycling efforts would be good. But depending on requiring manufacturers who create and use plastic packaging, I think I would be interested to know more about which manufacturers and what percentage of? If it's a sliding scale.

Moderator: Jamie, it's not which manufacturers, it's all manufacturers who create...

Interviewee: Well, I guess as a scale of how much plastic is used, maybe. So manufacturers if it's a scale of plastic, if it's more plastic, you pay more versus if it's a small amount of plastic, they pay less. I think that could be something that would make me see more reason or fairness in the bill, maybe, I guess,

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for the manufacturing component of it. Or like some sort of scale based off the quantity of plastic used involved in how much they have to pay for it.

Moderator: Well, I think, would be part of the bill. So I think it would be based on just as you said, how much they create or use. So that would be part of it. So at that point, if it's fairly allocated, what is your response to this?

Interviewee: Good.

Moderator: Is there a better way or better title for this initiative for you to vote yes or no on a ballot?

Interviewee: I don't think so. I think that one makes sense.

Moderator: Okay. Let's go to the next one. Reduced packaging. So reduced packaging, it requires manufacturers to use less plastic and product packaging.

Interviewee: Yeah, that's good.

Moderator: What's good about it?

Interviewee: Decreasing plastic usage.

Moderator: Who do you think is going to enforce that Jamie? Or who do you hope enforces it?

Interviewee: No one will enforce it. I don't think I know enough about manufacturing processes and who regulates that to know who would also enforce that. I don't know anything about who enforces manufacturing laws.

Moderator: Well, it would be either from the government or a private organization. Who do you think that might be then?

Interviewee: The government.

Moderator: And how much trust or not would you have in the government to enforce this?

Interviewee: Probably not a lot.

Moderator: Why would you say that?

Interviewee: And again, not being really aware of it, but hearing of things that aren't well enforced already in manufacturing or safety and OSHA. I mean more recently, all companies are required to have employees wear masks or mask mandates. And those things weren't getting enforced. So just like a history of things not getting enforced when there are a lot of people who don't do it.

Moderator: I will ask. I don't know if I've brow beaten you down or not, but the other initiatives, the first two or three you could see the pros and the cons. In this one, you see just the pros. Can you explain that?

Interviewee: Well, one, I think the fact that it's written more briefly, at first glance, I read into it a little bit less. So just being like use less plastic, yeah. That's something that people talk about as something we should do. And it's good. So I guess if I think about it more, I can think about the cons of being whatever the alternatives are or that it's not actually enforced. But I think this one might be just more straightforward and something you hear more often anyway as being something that is good.

Moderator: I just want to check before we go any further. So the shorter the description, the better it is.

Interviewee: Well yeah, because then it leaves out other information that might be viewed as problematic or bad.

Moderator: Okay. Let's go to the next initiative. Single use plastic bags. And this comes in two flavors. There's a bag fee where you place a five cent fee on single use plastic bags to discourage their use so that people choose paper or reusable bags instead. And there is also the option of banning single use plastic bags. Ban single use plastic grocery and shopping bags and require paper or reusable bags instead.

Interviewee: Do I talk about them individually?

Moderator: Yes, please.

Interviewee: Okay. Well, when I think of banning single use plastic bags, I think about the Outer Banks of North Carolina. I'm fairly certain, they ban single use plastic bags, and I don't really feel it's a problem at all. So I think it's good because reduces plastic alternatives that are more renewable or reusable. And then I think a bag fee, I think I like banning single use plastic bags more than a bag fee, because I think if you say there's a bag fee, then people also get in an uproar over a fee even if they have a choice to not pay the fee and just reuse something else. So I think...

Personally, I think banning use of plastic bags is better than bag fee, and I wouldn't have a problem with banning single use plastic bags. I don't think I'd have a problem if I had to pay a bag fee either. One of the things I said earlier I do is I do use a reusable grocery tote, and I always have them in my car. So I think they're both good. I think banning single use plastic bags is better. I can see people get upset about everything. I can see people being upset about a bag fee. I could see people being upset about banning single use plastic bags, but I think banning it at least just your only option is to use

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paper and renewable bags, reusable bags. But the fee I feel can make people more upset. They're like, well, I like plastic bags more, and you're making me pay for that. Versus just saying that you have one free alternative, paper bags, or one alternative that you can buy and reuse on your own, reusable bags.

Moderator: So Jamie, explain to me what would happen if you were in the grocery store and you found out that you had to pay it. All your bags are packed, and the woman said, oh, there's 35 cents because you have five bags or because you have seven bags. What would happen if you were told that?

Interviewee: If I was rushed, I'd probably just pay the 35 cents and move on. But if I had time, I'd be a baby. Like, oh, well, I'll move them into paper bags.

Moderator: Okay.

Interviewee: So you're saying you have a single use plastic, that there's no choice?

Moderator: I'm just curious because you said that some people would be in an uproar. And I'm just trying to figure out if you would be in an uproar or not.

Interviewee: No, I wouldn't be in an uproar. I don't... What?

Moderator: Can you tell me more about that?

Interviewee: I just don't think I'd be in an uproar because I'd recognize that there's an easy alternative that doesn't require payment. And or if it was like, I didn't want paper bags for some reason or didn't have my reusable bags, then I would recognize that 35 cents isn't going to change anything in the scheme of things.

Moderator: Okay. Which one do you think would be the most effective in reducing the amount of plastic?

Interviewee: Banning single use plastic bags.

Moderator: Let's go to the one more initiative. Oh, wait a minute. Going back to the banning the plastic bags, I want to find out if you think it's better, if that happens, if the law is the same across the state or if the law is better by community or by local neighborhood?

Interviewee: I don't know. For ease, I think across the state is fine, but it's not something I feel super strongly about being a community choice. But I could see people wanting it to be down to their more local government.

Moderator: What would make them want it to be more local?

Interviewee: Just their beliefs that things should be decided with local governments.

Moderator: Okay. Let's go back to... I mean, sorry, let's go on to the next initiative. Polystyrene or the foam containers. Are you familiar with those, Jamie?

Interviewee: Like big foam cooler type things?

Moderator: I'm thinking of... Let's go to the explanation. Foam containers, ban polystyrene or foam...

Interviewee: Oh, okay.

Moderator: Containers and give restaurants two years to find alternatives. Good, bad, or indifferent?

Interviewee: Good.

Moderator: Explain.

Interviewee: One thing that I think is good is that it gives restaurants two years to find alternatives. So I think that gives them plenty of time to figure out the best fiscal option for them and do their research and figure it out. Because foam ones that are probably the cheapest, so that's probably why a lot of people do it right now. But giving the two years to find alternatives might help them to figure out what the better financial option for them is. And yeah, it might just be a little act that helps the environment, and like my trying to consolidate my Amazon purchases.

Moderator: Okay. What about banning? If you were sort of think back to the bags, there was either the ban or fee. How do you feel about the word ban here?

Interviewee: I think it's fine.

Moderator: Okay. There's initiative that might extend the two years to six years. What are your thoughts on that?

Interviewee: That just seems like a really long time. That doesn't need to be six years to make that sort of decision. It's not reworking an entire business plan. It's picking a new container.

Moderator: Okay. Jamie, I have a question for you. In our report, is it all right if we take a screenshot of you from this video or could you send us a headshot?

Interviewee: Yeah. You can take a screenshot from the video. That's fine.

Moderator: Okay, great.

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Interviewee: Hopefully, there's one there.

Moderator: I'm sending a link to an Amazon gift card later today or tomorrow. Thank you so much for your help, Jamie.

Interviewee: Okay. Thank you very much. I hope that you'll have a great day.

Moderator: All right. Bye.

Interviewee: Bye.

[END]

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- Moderator:** Michael, thank you so much for helping us. Just so you so know, I'm 104 years old and we're recording. It's my way of taking notes. Oh, dear. Yeah, I know. Isn't it funny? You know what, my body's falling apart in... I mean, how good are your [inaudible 00:00:25] these days, Michael? Is your body still guaranteed?
- Interviewee:** Well, you know what? I am a exercise person. I do Pilates and yoga. I'm almost 70 years old. I swim, I lift weights. I eat a certain way because self-care is important to me. So that's what I do.
- Moderator:** Can you do it for me too?
- Interviewee:** I wish I could. I wish I could.
- Moderator:** Michael, have you ever done marketing research interviews before? Do you know what they're for?
- Interviewee:** No. No.
- Moderator:** So marketing research interview is sponsored by a manufacturer or a provider of service, and they want to find out what's good, what's okay and needs to be changed, and what's just plain bad. There are no right or wrong answers. This is going to be about water, and littering, and pollution.
- Interviewee:** Good.
- Moderator:** I have no vested interest in solar panels or anything else. So if you [inaudible 00:01:28] everything that we're talking about, that's great. If you hate everything that we're talking about, that's great. And if you don't care, I don't care, but I am going to ask you to be as forthcoming as you can.
- Interviewee:** Sure.
- Moderator:** As you can see, I have colleagues listening in. They help me remember my questions, we're being recorded. Do you have any questions before we start, Michael?
- Interviewee:** No, actually I have none.
- Moderator:** There's one more question I want from you, is it all right if we take a screenshot of your face and use just your first name for the report?
- Interviewee:** Not a problem.
- Moderator:** Okay, great. So I think we're ready to go. I live in Rehoboth, Delaware. Where do you live?
- Interviewee:** Norfolk, Virginia.
- Moderator:** Norfolk. Oh, so Michael, I live in Rehoboth, and then there's a town north of me called Lewes, and people who are not from Delaware say Lewes. So Michael, how do you feel about it when people say Norfolk?
- Interviewee:** It doesn't bother me because, see, my dad is from... I'm from New York City originally. I'm born and raised in New York. And so I moved down here because of the Navy. So when I was growing up we used to say Norfolk, and my dad would always say, "No, it's Norfolk." So it's not a big deal how you pronounce something. It is what it is. Not a big deal. At my age now you can't make a big deal about a lot of things because I need to be calm as much as possible. So I seek calmness.
- Moderator:** Michael, I should really be more like you, but I don't know if I'm going to achieve that, but I should be more like you.
- Interviewee:** Just be like yourself, you learn something new every day.
- Moderator:** Oh, you're way better than I am. Okay, so can you tell me what a... First, without going on and on about the exercise, can you tell me what a typical day is for you? And I can't see you anymore. Where'd you go?
- Interviewee:** Oh, I'm sorry. I'm sorry. I moved my hand. Typical day for me, oh, it's wonderful. So I am divorced two years. I still have young children. I have five kids. My oldest is 44, my youngest is 11. And so my daughter's 18. She just graduated from Granby High School, Ivy program. She has a four year scholarship to ODU, all paid for. Yes, and my son... So every other week I get my son. So as a single parent... Okay, I lost train of thought here, I'm sorry. [inaudible 00:04:08]. So my typical day when I'm with him of course would be getting up in the morning, getting him to school. I am the vice president of the PTA at his school. So I stay at the school in the morning.
- I greet all the kids in the morning, have a great day, put a smile on your face. I then assist in the office or I go to different classes. I read books. I help with reading, writing. Then I will go ahead and maybe go to the gym, do a dance class, come home, get him from school, get some supper going for him. And then we would do some after school work and stuff like that. So my typical day, really is something I don't plan a lot of things because lots of times think materialize, so I go with the flow.
- Moderator:** Did you read to your kids' class. Is that what you said?
- Interviewee:** My son's in the fifth grade, I read to the pre-K, first and second grades. They love it. I read a book yesterday, The Pigeon Wants to Drive the Bus. It's a really funny book. And then The Pigeon Wants a

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Hotdog. It's pre-K, and so the pre-K, they're just going, "Bahahaha," I change my voice. See, what I said to myself when... I meditate. And so Deepak Chopra, he says, how can you serve? And so once I asked myself, well, how can you serve? All these things popped up. And so the answers are simple. You serve by volunteering. And so that's what I do, because I volunteer. So I love it. Who would think at my age I'd be able to go to a school. Go to school, freely walk, everybody knows me, Mr. Mike. Everybody knows Mr. Mike. Read to students, have them laughing. What a joy. What a reward, at my age, and being an African American, a black person doing it, I mean, you don't understand, it's just wonderful.

Moderator: I did read part of a book to my grandson's class. My grandson is in school and I read a book for his class too. And it really is fun to see all those eyes looking at you.

Interviewee: Yeah.

Moderator: Oh, Mike, I'm going to make a noise. We're going to be talking about the ocean. So I'm going to make a noise that I associate with the ocean. And then I'm going to ask you to make a noise that you associate with the ocean. Okay, you ready? That's the sound of a dolphin or a whale.

Interviewee: Okay, it is.

Moderator: What sound do you associate with the ocean? What was that?

Interviewee: That's the sound of the wind blowing through a shell.

Moderator: Oh.

Interviewee: That's the best I can do [inaudible 00:06:41].

Moderator: That's perfect.

Interviewee: That's your problem. You did a whale already, so I couldn't beat the whale. I couldn't do a whale noise for you. So I had to do that. You took the good ones. [inaudible 00:06:53] click, click, click, click, click, click, click. I watch PBS. I watch nature shows. So I'm on point with that stuff.

Moderator: Hey Mike, we're going to go to the next question.

Interviewee: Okay.

Moderator: We're going to see some pictures up on here, and I want you to describe these pictures as you see them. So describe to me what you see and then how you feel about them. Whoa.

Interviewee: Wow. I see so many pictures, that's horrible. I mean, I've seen these pictures for a long time. It's horrible. Look at that, how can anybody say anything else but that's horrible?

Moderator: How does that make you feel, Mike?

Interviewee: Well, it makes me feel really bad that we don't understand the necessity of keeping the planet clean. We're the guest here, we're the guest on this planet. So that is evidence of us not understanding our true nature and relationship to the planet. That's obvious. Anyway, I found out the other day, all the plastics that we actually recycle, only a small percentage is ever really ever recycled. Most of the stuff is put in landfills. So I thought all this time, all the stuff I put in the recycle bin all the time actually goes there. They said, no, only like 2% of everything that you actually put in there actually goes to be recycled. That's bad too.

Moderator: I didn't know that.

Interviewee: Yeah. The news just came out. It just came out the other day. It was a very small percentage. I get so many feeds from all different newspapers and different sources. So I get all that stuff all day long, but they say, yeah, a very small portion. Most of it goes to landfill, believe it or not. Okay.

Moderator: Wow. So you said it's obvious that people don't understand. What don't people understand, Mike, what do you-

Interviewee: What I said earlier, they don't understand the necessity of keeping the planet clean. We are the guests here and it's our responsibility to make sure we stay in balance with nature. This is obviously an imbalance. That is pollution.

Moderator: How does that plastic get into the ocean?

Interviewee: People. People just don't... If you look at an average person, they have no knowledge of what they're doing. They still take cans-

Moderator: But Michael, what is... For example, if I'm that plastic bag, where do I start? And where are the different places that I go to get into the ocean?

Interviewee: On the plastic? Well, I guess it goes into the... People just drop them on the street, I guess. Or they go into landfills and somehow they... I just think it's from people. I think people just-

Moderator: Yeah, but Michael, what's the somehow? How does it somehow?

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- Interviewee:** How does it somehow... It's dumped. I think it's dumped there. I think it's actually dumped into the water. People dump it. I think people actually dump their garbage in the ocean.
- Moderator:** I didn't know that.
- Interviewee:** That's what I think. I mean, I was in the Navy, and the Navy back in the day, we used to pump, it's called pump and dump. We got out in the middle of the water, we pump and dump everything. We used throw medicines overboard. And when I had stuff outdated... I'm 70, so that was in the eighties. In the eighties, when things ran out, we dumped them over into the water. We'd pump and dump all the time.
- Moderator:** Michael, how did this image just make you feel? Give me more about how you feel about this.
- Interviewee:** I feel that this is very offensive to the environment. I think it is a disgrace to the environment. I think that we should take more... Just like climate. This is just as important as climate is important to me, is the pollution of the earth. So I mean, I don't what else you want me to tell you, I said it's horrible, it's devastating.
- Moderator:** Well, Michael, you've described it, but tell me how you feel. Some people have said disturbed, some people have said angry. How do you feel about that?
- Interviewee:** Well, see ma'am, I can't put feelings into it. How can I be angry about that? I have to be able to... See, I stay stress-free. If you get angry about all kinds of things and put your feelings in all kind... I look at what's going on and I make sure I don't do these things, that I can help out to end it, but I can't put my feelings into it. I meditate, ma'am, so I'm trying to be above... When you put feelings into it, you can have sometimes negative feelings within yourself. I need to keep myself as calm inside as possible. So I don't have... yeah.
- Moderator:** Fair enough. I'm going to ask you to look at a list of words that's next. And I'm going to ask you to just tell me which of these describes those images the best.
- Interviewee:** Just one of them? Plastic ocean pollution.
- Moderator:** What makes that one the best?
- Interviewee:** Because that's what I saw. I saw plastics in the ocean that was polluting the water. That's what I saw.
- Moderator:** Which of these words or phrases sounds the most serious to you, the one that needs the most action?
- Interviewee:** Plastic ocean pollution.
- Moderator:** What makes that one so much better than the others?
- Interviewee:** Because to me it describes exactly what it is. What does the word pollution mean? And that's what I saw. I saw debris. I saw litter. I saw trash. Yes, but all of that is what? That's all pollution. All those other words are the same word for pollution. And what I saw was plastics in the ocean that was polluting the ocean. Just like we have the pollution in the air, we have pollution in the ocean. That's what I saw.
- Moderator:** Mike, give me your best definition of pollution.
- Interviewee:** Wow. My best definition of pollution, man, the inability of mankind to be able to handle the leftovers of the things we use on a regular basis.
- Moderator:** Wow.
- Interviewee:** That also includes the air pollution from the vehicles. For example for a vehicle, I know we're talking about plastic, but if the vehicle, instead of having the chemical so you don't see the gas come out, and we have the chemical that, so you sort of purple smoke come out, everybody would see just how much pollutions come out of your cars, because you could see it in color. So for me, it's all what man has done. We produce all these things, but we don't know what to do with the end product. Back a long time ago when we had indigenous people, they didn't have these problems, because they recycled everything correctly. They used what they needed and they recycled everything correctly. They kept things going on in a balance. We have an imbalance now. We just make stuff and throw it away.
- Moderator:** We did a survey of about 900 people in Virginia. And we asked them the same question I asked you, which of those list of words seemed the most serious? And half of the people in Virginia agreed with you, that plastic ocean pollution was 48%, and the marine litter was 19%, and the ocean litter was 31. What makes... Oh, now I can't see you anymore.
- Interviewee:** Why not?
- Moderator:** Because your finger or something is over the picture.
- Interviewee:** Nope.

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- Moderator:** So what makes pollution more serious than litter?
- Interviewee:** Litter is a type of pollution.
- Moderator:** Okay.
- Interviewee:** That's it, it's clear. Litter is just one type of pollution. Pollution, like I just said, has many different kinds of pollution, air pollution-
- Moderator:** What is more serious about pollution compared to litter? Why is pollution so serious and litter maybe not so serious?
- Interviewee:** No, they're both serious. Well, because pollution is a much wider category than just litter. To me it's a wider range.
- Moderator:** I don't know. I'm trying to figure out why people... I mean, I appreciate your description there, but why do you think most people in Virginia think that litter is only half as important as pollution?
- Interviewee:** Because they understand that there's more, besides just litter, there's all kinds of pollution. We have all kinds of pollution. If you look at neighborhoods where airplanes fly at, most of the areas that are around airports are poor areas. And so they can actually track the chemicals coming off the airplane that's polluting those particular sections.
- Moderator:** Hey Michael, I understand that there are different types of pollution, but I'm wondering what explains the mindset of people from Virginia, why is pollution much more serious than litter?
- Interviewee:** Well, maybe because we have so much water around us, and so we actually see the pollution in the water, and that's why we take a little more serious. We see the runoff from the gardens and all the chemicals people put in their lawns. We actually see these things in Virginia. I mean, I live so close to water. I'm surrounded by water right now. I'm surrounded by water. So when you see the water, when you see these things, maybe it makes you have a different insight or understanding of what's going on.
- Moderator:** So Michael, do you know where else the plastics in the ocean comes from? You mentioned people, but how does it go from people to the ocean?
- Interviewee:** Well, I can't tell you specifically, because I think a couple of different ways. I actually think that we take trash in boats and we dump it in the ocean. I mean, it's in all kind of countries, it's just not America. You have so many different foreign countries-
- Moderator:** Well, Michael, I'm just thinking about Virginia.
- Interviewee:** Okay.
- Moderator:** Just Virginia. Not interplanetary systems, just Virginia.
- Interviewee:** Well, we don't have all that stuff going on, on the coast where we live at. So I'm thinking about like in the Pacific and the ocean where they have that huge [inaudible 00:17:42].
- Moderator:** We're just thinking about Virginia. Michael, we're just thinking about Virginia. How do plastics in the ocean near Virginia get into the Virginian ocean?
- Interviewee:** People dump, people leave stuff on the beach. People leave stuff on the beach, I guess, and it gets into the water. People throw it from their boats. That's all I could say. Or companies actually go out and dump it themselves in the water, instead of taking it to the landfill, they actually go in the water with boats and they dump it in the ocean.
- Moderator:** Well, here's how it gets to the water. There's litter by the roadside, overflowing trash cans, cigarette butts, balloon releases, food and beverage containers. So it blows in from the water and it blows in from places where there's litter, so it graduates from litter to pollution.
- Interviewee:** Yeah. But ma'am, like I said, people do that. That's what I said, people do it.
- Moderator:** I know. I know. I just asked the path, not the source.
- Interviewee:** Do you see me? Can you see me?
- Moderator:** Yes.
- Interviewee:** Okay, good.
- Moderator:** In a recent survey, Virginia felt that plastics in the ocean were a very serious issue. I'm going to show you how to read this chart. We asked people in Virginia how serious different things were. So the first thing that people thought was very serious was the inflation and the cost of living. Three quarters thought it was very serious, another fifth thought it was indeed very serious. So nearly everyone thought that inflation, the cost of living was very serious.
- If we look at plastics floating in the ocean, half thought it was very serious. And another third thought it was serious. So that's about four fifths. And then for example, you go all the way down to trash and litter in your community. Only about the fourth of people thought it was really serious. And then

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another third of people thought it was serious. So people thought that inflation and the cost of living, almost everyone thought it was serious. And then if you go all the way down to trash and litter in your community, a little more than half of the people thought that was serious. What do you think explains the difference between inflation and the cost of living, and plastic floating in the ocean?

Interviewee: Because the inflation is affecting people at this particular time. When something affects you directly because of what's going on in the whole planet, then that's what's on your mind the most. So that's why they say inflation and the cost of living. Because once again, the cost of gas is going up, of course the food is going up, your rent, everything's going up. So of course that would be the thing that they would feel most serious about. That's what I think.

Moderator: So what do you think is the difference... This is people just in Virginia. What do you think made plastic floating in the ocean so much more serious than trash and litter in your community?

Interviewee: Because I live in a community that's suburban and we have excellent, clean... I mean, we clean up ourselves. We have civic leagues. We clean the streets up ourselves. Every Friday, the garbage truck comes down every Friday and cleans the streets-

Moderator: Michael, Michael, Michael, I don't need you to explain what's happening, I want you to tell me how one is more serious than the other.

Interviewee: Okay. Do your question again, please?

Moderator: Yes. What makes plastic floating in the ocean so much more serious than the problem of trash and litter in your community? Why do people think that plastic in the ocean is twice as serious as litter in your community?

Interviewee: Because we don't have a lot of litter in our community, that's why we feel that way. The area I live in right now, ma'am, there's very little litter anywhere in the community. So that issue is very low to us. And the floating in the ocean is more important because we have very little trash in our community.

Moderator: Okay. Tell me, if you could explain what you think Virginians thought about plastics and toxins contaminating human food. What made three quarters of the people think that was a serious issue?

Interviewee: Because that is another issue that is prevalent in today's society, is chemicals and toxins in the environment. That's something that people are aware of now and so they look at that more often. I do myself. I look at... Yeah, go ahead.

Moderator: But how about in human food, plastics and toxins contaminating human food?

Interviewee: Yes. Once again, I just read a story not too long ago, which says that we breathe in almost a credit card with the plastics every month. So these things are national issues now. And I think people are becoming more aware because of the internet. And I think that's why people are reading more and getting to know what's going on. They think more about what they eat. They're more concerned about their health. And so you would want to know whether or not you have these things in your food. Once again, I get the list of the 15 organic foods, which have no pesticides in it, and the 15 worst. So when the list comes up, people look at the list and say, well, I can't get this because it has too many pesticides in it. So I think those are apparent issues that are important.

Moderator: So what's the difference in your mind between chemicals and other toxins in the environment? Tell me how that's a serious issue too, or not, for Virginians. Can you explain why people rated that as serious too?

Interviewee: Because once again, I think for the same reason, is that people are more aware of the amount of toxins that are in the air and in the packaging, be it in the food. And so when you're more aware of something, then you look at things differently. If you're unaware of something, you don't know what you don't know, it's no issue. But when you do know something, then you try to go ahead and understand it and move forward.

Moderator: And Michael, can you link that back to plastics and toxins in the human food? How did people consider that to be serious?

Interviewee: How did people consider plastics in human food?

Moderator: Plastics contaminating human food. How did people think that that was more serious than good paying jobs, for example?

Interviewee: I just think that that is exactly what's on people's minds now, the amount of pollution and that amount of pollution that the average person has to deal with on a regular basis. It may be the cause of many autoimmune diseases. I just think people are more aware of their subject and they pay more attention to what's going on, and that's why they feel that way.

Moderator: Michael, for you personally, what is your response to chemicals and other toxins in the environment? How does that affect you and your children that range from 44 to 11?

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- Interviewee:** Well, it does. I mean, for me personally, that's one of the reasons why I do the things I do. You have to kind of counterbalance all the negative things that goes on every day in society, or you have the things you breathe in, the things that you eat, the negative ions that come in from all different things. And so I try to help my kids and explain to them the necessity of eating a certain way and exercising, and keeping their selves balanced. I mean, I come from a family who was very dysfunctional and most of my siblings have some kind of autoimmune disease. Me, myself personally, I have a bilateral bunion, my feet are crooked and I have scoliosis.
- Moderator:** Hey Mike, I'm going to ask you, where do you think plastics come from? What is the raw material used in plastic?
- Interviewee:** Oil. Plastics are made from oil, they come from oil, they're oil-based.
- Moderator:** And is it a good thing or bad thing that oil is used to make plastic?
- Interviewee:** It's a bad thing.
- Moderator:** Because?
- Interviewee:** Because most of that is stuff that cannot be broken down and used again. Lots of times it can be broken down and used again, it's nonrenewable. We need to start working on renewable things.
- Moderator:** What can you do, if anything, to reduce the amount of plastic coming into your home, and reduce the amount of plastic leaving your home?
- Interviewee:** Wow. That's a good one. I think about that often. I really do.
- Moderator:** Yeah, I do too.
- Interviewee:** I do. One of the things I have is, I have a water filter and so I don't need to keep buying water containers. I can get a six pack a year ago and use the same six pack all year, simply by refilling them myself. So I do that. Other plastics we recycle in the recycle bin. And so I try my best to go ahead and... Like for existing in my area, plastic bags can't go into the recycle bin. So you take them over to the supermarket and they recycle them. So I just look for avenues that are available to me to recycle everything I possibly can.
- Moderator:** Michael, if you believe, and I'm not saying that that's not true, but if you remember that 2% of what you recycle is actually recycled, is there another trick or is there another way that you can reduce plastic coming into your house?
- Interviewee:** Sure, sure. First of all, I just found that out two days ago. I didn't know that. If I had known that... I just found out two days ago.
- Moderator:** Yeah. I mean, that's bad news.
- Interviewee:** Yeah. I just found out two days ago. So I was like, excuse me? Okay well, that's a good question that you're asking me because that's something that I really have to contemplate. Because now that I know that's possible, what do I do? What do I do now? Knowing that that's possible. That's a good question. That's something I have to think about, because that's a good one. Yeah, I just try to reuse as much as I possibly can.
- Moderator:** That's not bad, reusing. Yeah. That's not bad.
- Interviewee:** I just reuse. I reuse as much... Like plastic bags, I don't buy these storage bags over and over again. People laugh at me. I have the same ones I had last year. Yeah, I just wash them out and use them again, because if you keep using it for a certain amount of times, it's almost like recycling because you're getting so much wear out of one plastic bag.
- Moderator:** Right. Right.
- Interviewee:** So that's what I do. I do stuff like that. Yeah.
- Moderator:** So Michael, yes or no, true or false. There are plastics in the food we eat.
- Interviewee:** True.
- Moderator:** What makes you say true?
- Interviewee:** Well, ma'am, if there's plastics in the air we breathe, why wouldn't it be in the food?
- Moderator:** How do you know there's plastics in the air we breathe?
- Interviewee:** Because I just read an article that said that there are microplastics in the air and we breathe them in every... And we can make a credit card almost every month from the plastic we breathe in. I have the article on my feed.
- Moderator:** You're using a very scientific term, microplastics. Aside from that article, have you ever seen that word before?
- Interviewee:** Sure.

Interview E: Michael; May 13, 2022

Moderator: Where?

Interviewee: Ma'am, I'm almost 70. I'm an intelligent person. I read on a regular basis. That word is not a new word. That word has been out for a long time. So in my readings over the years, I've heard that term many times about microplastics.

Moderator: You're kidding. See, you're the first person I've interviewed that has mentioned that at all. There's sometimes the word, particulate, and sometimes the word, microplastics, which of those two words do you think is the better one that contains the most information?

Interviewee: What's the other word?

Moderator: Particulates and microplastics.

Interviewee: I like microplastics because particulates could be lots of different things.

Moderator: Exactly.

Interviewee: And it's true, it is a particulate. It is one type of particulate. It's true. However, microplastics is specific to exactly what is micro, it's the plastics. And so you're going to need to understand that these things are in the environment on a regular basis and they're affecting them.

Moderator: Michael, do you remember the name of the article or even the newspaper, or you said newsfeed? Do you remember where you read that you could breathe in a credit card or plastic, is it every month you said?

Interviewee: Yep. I have to go into... Because I sent that article to so many people. I have to go into my email and pull an article up. I could probably do that, but I don't want to get off my Zoom, but yeah, I have that article. I mean, I could send it to you guys after.

Moderator: That would be perfect. Michael, that would be perfect. And you can send it either to Steve or to Susan.

Interviewee: Okay.

Moderator: Thank you very much, Michael. That's kind of you.

Interviewee: Yeah.

Moderator: So a recent study indicated that an average person eats several pounds of plastic a year. Is that a surprise to you?

Interviewee: No, because I know the environment's in a bad condition and most companies don't really care. They care about making a dollar. They don't care anything about us. They don't.

Moderator: Okay. There are a couple policy changes that I'm going to ask you to evaluate. The first one, and you know what, when I ask you to evaluate them, think of them as a list on a ballot. And I want you to tell me, after you read the description, if the title of the proposal is good enough on the ballot for people to make an informed decision. So first of all, I have my own interpretation of what bottle bill is. What do you think a bottle bill is?

Interviewee: For example, if you buy something in a plastic bottle, they're going to charge you extra money because it is plastic. I think that's what a bottle bill is. They would charge you extra money because of the material that whatever the container's made out of. If it's not renewable stuff, blah, blah, blah, blah, I'd say that's what it is.

Moderator: So that's half of it. You have the first half absolutely correct. What's the other half? Here it is.

Interviewee: Get your deposit back and return the bottle, cancel the store. Okay. When I was a kid, they did that, and then when I was a kid in New York, we made extra money by somebody taking the bottles back to the store.

Moderator: Yeah. We did that in Massachusetts too.

Interviewee: It was so much fun.

Moderator: And a deposit of five or 10 cents to a cost of bottled drinks and bottles of cans, and you get the deposit back when you return the bottle or can to a store a [inaudible 00:32:24].

Interviewee: That's a good thing.

Moderator: What makes that a good thing?

Interviewee: Because it gives people's incentive, in this country, across the world, people need incentives to do things. You need incentives to do most everything. Most people don't do things on their own. If they did, we wouldn't have diabetes, Type 2, the way we have in the [inaudible 00:32:43]. Anyway, besides that, so when you give a person an incentive, oh, I paid the 10 cents now, but I get it back when I return it. Oh sure, I'll do it. So that's why you do stuff like that.

Moderator: So Mike, is five or 10 cents enough or is that too much? Is that a right amount of money?

Interview E: Michael; May 13, 2022

Interviewee: That's fine. That's fine. I think that's fine.

Moderator: Now think of the ballot, is there a better name than bottle bill on the ballot to describe that?

Interviewee: Let's see now, is there a better name than bottle bill? I can't think of one offhand. No. I think you're going to have adverse to whatever you name it, nowadays there's so much disparity going in the country, whatever you name it, somebody would say I don't like it, but I think bottle bill is fine.

Moderator: In your opinion, does the word deposit or refund need to be in the title?

Interviewee: I think deposit and refund needs to be there, yeah. So they understand that you deposit it, but you're going to get your money back. I think so, yes. Yes.

Moderator: Okay. Let's go to the next proposal. Producer pays. What makes you laugh, Michael?

Interviewee: Because in this country and most places, producers always pass things on the consumers. They don't ever want to take a loss for anything. Look what we're going through now? Instead of making it... Anyway, the producer never wants to... As a consumer, we always get hit with everything, that's why I'm laughing at that.

Moderator: Okay. Let's read what they say then here. Producer pays. This is an initiative that requires manufacturers who create and use plastic packaging for their products to help pay the cost of recycling pickup and processes in processing in local communities, reducing the burden on taxpayers. Good, bad or neutral?

Interviewee: I'm good for that, yes, yes. Yes. It's time for you to pay. Yes, because you need to be involved also. You're producing all these things. You need to understand the necessity of making sure things get recycled. So we're going to give you some incentive also to make sure these things happen. I think it's great. And as a taxpayer, I think it's about time we enforce some of these things for these producers so they can start picking up the slack.

Moderator: Give me three producers in Virginia or elsewhere that you hope pay attention to this.

Interviewee: I think we have lots of chicken farmers in here. But that's a good question. What specific industry? See, I live near water. So I'm trying to think of what specific industries.

Moderator: Think of what's in the water, Michael. Think of what's floating around in there.

Interviewee: Oh, of course. The people who make the plastics, whoever, I guess... Yeah, that's almost a common sense question, whoever is actually producing these things that we are trying to get back, is the ones we should [inaudible 00:35:55], who makes the plastic? Who makes the cans? We have Coca-Cola here, and we have Coca-Cola here, they make the cans. They make bottles. We have another company that makes all kinds of machinery. So all those companies that use these things should be the ones to pick up the slack.

Moderator: What would it feel like to you if Coca-Cola, or McDonald's were required to help pay the cost of recycling pickup and processing?

Interviewee: I would say that's a good thing. But once again, you have to give back to the community. When the community, when people see that you're taking action too, then they might do also take even more action. When they see that there is a joint effort to clean things up, maybe they'll look at things differently, but when you look at something wrong, they don't care. Why should I care? So I think that the more that cares, the better it is.

Moderator: Michael, that's very interesting. Tell me more about the joint effort and how that... Wait a minute, is the joint effort going to change the way that people think or is... Tell me more about the joint effort.

Interviewee: I think the joint effort would actually encourage people to go ahead and do the same things. When you're a big company and you put information out, well, listen, we know we've done these things for a long time, we want to go ahead and make up for things, so we are going to start doing things for the community, we're going to have community clean up, we're going to assist with... We'll have trucks out there, whatever we can do to help to reduce the effect that we have, so once again, for me, when I see companies and organizations making an effort, then that encourages me to make an effort also. So I think the more that people see people chipping in and helping out, the more they want to chip in and help out. They don't feel like it's just them doing something, or just me, I'm doing it, nobody else cares-

Moderator: That's very interesting. So this is almost infectious. This is like motivation.

Interviewee: Yeah, it is. And that's how you motivate people, is not by talking to them sometimes, you have to lead by example. If you don't lead by example sometimes, you can't motivate anybody.

Moderator: Michael, think of the ballot again, is the name of this initiative clear? Would people know who they were voting for?

Interviewee: Yes. Very clear. If you understand English language [inaudible 00:38:18].

Interview E: Michael; May 13, 2022

- Moderator:** ... words in there extra, like producer pays recycling, or producer pays plastic use, or producer pays?
- Interviewee:** Producer pays, because the explanation is right there, it says required manufacturers who create and use plastic packaging for their products, to help pay the cost of recycling pickup. It tells you right there [inaudible 00:38:36].
- Moderator:** But Michael, do you think that people only have those, that just the name on the ballot, is that name going to be... Just the name, is that going to be enough?
- Interviewee:** Oh no, no, no, no, no, no. You put producer pays, they won't know, yeah, the producer pays, you have to add more to it.
- Moderator:** Like what?
- Interviewee:** Producer pays the cost of recycling pickup.
- Moderator:** Okay. Thank you very much. Let's go onto the next one. Reduce packaging.
- Interviewee:** Yes.
- Moderator:** What made you say yes automatically?
- Interviewee:** Well, sometimes when you get things in from Amazon or from eBay or something like that, you... Wait a minute. Why do you have this little thing inside of this big gigantic box? Then you add these plastic bubbles in there, and then it's cased in another case. I mean, it's just too much. So I watch packages come, I be laughing sometimes. Whoa, it's over done. It's too much. It's too much.
- Moderator:** So let me read this for you. Require manufacturers to use less plastic and product packaging. What made that one so clear? Yes.
- Interviewee:** Because every time I look at packages when they come in, I laugh because I'm like, this is unnecessary. I got a package one time with three boxes inside of another box. It was fragile, but that was overblown. I just got some Manuka honey the other day, it was in a package inside of another package, inside of another package. I'm going, okay. Why? I just think it's overdone. It is too much. I know they're trying to make everything secure, nobody can get... Really secure, but I think that's overblown I think.
- Moderator:** Michael, I agree. You know what, yes, I agree. I'm not supposed to give you my opinion on all this stuff, but among everything here... Anyway, let's go to the next one. It's called single use plastic bags. You're smiling again. And what makes you smile?
- Interviewee:** Because that is necessary, because the plastic bag thing is just ridiculous. They're flying all around the place all the time. To me it's just too much. It's just too much. I go to Walmart, I'm like, wow, it's just too much. And the thing about it in my area is that they don't recycle, in your blue can you can't recycle plastic bags. So people just end up putting them in the garbage instead of taking them over to the supermarkets that they do. And they end up once again in the ocean. So I think this is something that's necessary. You got to wake people up to stuff. Money wakes people up, whoa, whoa. I got to pay five cents for a bag, I don't want to pay for it. So you have to make people... You got to energize them and make them go ahead and do things. So this is one of the things. Money is something that people look at. Money? Ah, okay, I'll take paper.
- Moderator:** So this bag initiative comes in two flavors, place a five cent fee [inaudible 00:42:01] bags to discourage their use so that people choose paper or reusable bags instead. What do you think of that flavor?
- Interviewee:** I like it because there's so many stores. And with some places you can buy the bag. I have so many of them, you can buy the bags you take to the store yourself to put your groceries in. You can use that instead of... So once again, the more incentive we have for people to wake up and understand the necessity of joining this thing right now, get your own bag, bring your bags in yourself or use-
- Moderator:** Michael, wait, wait, stop. For me it might be, for example, if I buy 100 bucks worth of groceries, and if I pay \$100 and 15 cents, that's not going to be that much different.
- Interviewee:** Right.
- Moderator:** So how effective or not is that five cent fee?
- Interviewee:** Well, you buy 100 things of groceries, you're going to have a bunch of bags. You're going to have a bunch of bags. So I still say people are so conscious about the money they have to put in, so I'm paying more for gas. Now I got to pay more for bags. I paying more for everything. So I tell you what, I tell you what, I'll go ahead and use a paper instead of that, because everything starts to count up. So I just think the more, I just think it's a good thing. I think it will give some incentive, five cent on a bag, I know I'd get paper instead. If paper was free, plastic was five cent, why would I choose plastic versus paper? Why would I do that?

Interview E: Michael; May 13, 2022

- Moderator:** Well, so this is the other flavor, ban single use plastic grocery and shopping bags and require paper or reusable bags instead. What do you think about that?
- Interviewee:** You've got to crawl before you walk. So I think that ban right away on everything won't help people. That'll bring more animosity in because you have it a certain way. I think you have to progress the things. That's the good thing, if everybody was on board, I agree with that. But right now it's too much. So if you progress, so for the first year, it's going to be five, six starting, next year, I'm telling you, starting next year, we'll be banning single use, either paper bags or bring your own bag. I'm giving you guys a chance to get used to this stuff. That's what I think.
- Moderator:** Yeah, I mean, for me if I go get groceries, the first one, I'd pay 100 bucks and 25 cents, and then the other one, I just use paper.
- Interviewee:** Right.
- Moderator:** I don't have to make any decision. It's the-
- Interviewee:** Oh, okay. Okay. Now that you say it that way... Okay, yeah. Okay. Now that you say it that way, I just look at, people want to argue about everything. So I was just trying to make it, they want to argue about everything, you can see something blue, they say, no, it's not blue, that's green. Excuse me? It's blue. No, that's not. Nope.
- Moderator:** Michael, Michael. So thinking back on people [inaudible 00:44:51], which one do you think would be most effective or more effective to reduce the amount of plastic?
- Interviewee:** Ban single use plastic grocery and shopping bags and require paper or reusable bags instead. That's the most efficient way to do it. Just ban them, period.
- Moderator:** Okay. Let's go to the next one. It is the polystyrene foam containers. Do you know which ones we're talking about, Michael?
- Interviewee:** Yeah. They shouldn't even be made anymore, ma'am, they should not be made. They should not be made. Those are the worst. Those are the worst. They're very toxic. They should've been banned years ago. They should not be used anywhere.
- Moderator:** Michael, how long ago should they have been banned?
- Interviewee:** 10, 15, 20 years ago. I mean, we've known about the Styrofoam and all those things for years. That's nothing new. So the minute we found out about that, that should have been something that the United States said we're going to stop. But once again, you have to deal with big companies and money who give money to different kinds of political groups, and they say no. You have special interest group, lobby groups. That's why we have all these things.
- Moderator:** Michael, wait, what makes you care so much about this one? So you've talked about many things, but this one really got you. I mean, what makes you care so much about this one?
- Interviewee:** Because this thing has been known for a long... I'm almost 70. This thing's been, since I was a kid they were saying those aren't good to use. When you burn them they have toxic fumes come out, you can't recycle them. To me, that's not a new thing. This is something that should have been taken care of a long time ago. It's not new news to me, may be new news to somebody who's 25. But at my age, that's something that I feel that should have been done... I don't even use them.
- Moderator:** So tell me more, bringing that home then. So if you think that could have been changed so long ago, let's see, tell me why it's important that if this could have been done so long ago, I don't understand how that makes it worse for you.
- Interviewee:** I don't think it makes it any worse. It just continues to show me that people, that the powers to be really don't care about us when it really comes down to it. I've just seen so many things that could have been done that were ignored because of special interest. And this is one of them. I heard about this a long time ago. So I just feel that this is something that should have been a long time ago. I feel strongly about that. I mean, it's not like I'm mad at them, I'm angry. I just said, this is something that should have been done years ago.
- Moderator:** Should of been fixed a long time ago.
- Interviewee:** Yep.
- Moderator:** So the initiative is to ban polystyrene or foam takeout containers and give restaurants two years to find alternatives. There's an initiative that perhaps might extend the two years to six years. How do you feel about that?
- Interviewee:** Well, the only reason why they extend to six years is for special interest. No, you have to be able to set limitations. If you keep putting it out to six years, then it be eight years, then it'll be 10 years. No, you have to be definitive. So I would say two years and that's it. You have to give people limitations, otherwise they'll take advantage of it. They'll wait till the five year, 11th month time and go, oh, it's due for next month, I can't do it.

Interview E: Michael; May 13, 2022

- Moderator:** Yeah. Hey Michael, I have a question for you. Who would you trust to enforce these initiatives? I mentioned, okay, go ahead. So it's either a government entity or it's a private not-for-profit maybe. Who would you want to enforce these?
- Interviewee:** Well, that's a good question because whenever you have an individual involved, you never know what their special interest is on the side anyway. So for me, I would say if you actually got a nonprofit organization with highly reputable individuals running it, that you know have a history of being truthful, I think that'll be best, because the government, it all depends on who's down the line. So I think I'd have a private company nonprofit do it.
- Moderator:** Can you give me an example?
- Interviewee:** We'd have to make a company up that's nonprofit that would be able to do that. We'd have to make a-
- Moderator:** The Autobahn Society, the Chesapeake Bay Foundation.
- Interviewee:** You name it, you name it. You just named a couple. I mean, I don't know if they would be the exact ones to do it. We might have to make up a conglomerate of all of them. Maybe we're going to have a network of four or five different environmental groups who would be able to come together and do a real good job. I think instead of using one, we're using multiple ones, so we have more than one flavor, more than one idea, and then more than one eyesight in there, and we can do a better job.
- Moderator:** Michael, I have no more questions for you. Do you have any questions for me?
- Interviewee:** Nah, no, not really. I enjoyed this. I enjoyed it.
- Moderator:** Oh, good. And I have two questions for you, Mike. Don't forget to send us that article.
- Interviewee:** Sure, I will. I will.
- Moderator:** To Steve or to Susan. And then if you could, could you send us a headshot, such that we can use it in our reports? Because sometimes... I was going to pull one from the screen, but sometimes your face is only half and sometimes you have your finger over it, so if you could,-
- Interviewee:** You want to take one now? I'll look in the camera now.
- Moderator:** Perfect. Thank you very much, Michael.
- Interviewee:** You're welcome.
- Moderator:** You'll get a link to a \$50 Amazon gift card later today or tomorrow.
- Interviewee:** No problem. And I'm going to send that to you today.
- Moderator:** Thank you, Michael. Okay.
- Interviewee:** Thank you so much. Have a wonderful evening.
- Moderator:** You too, bye-bye, sir.
- Interviewee:** Thank you, dear. Zoom is over. Let's go.

[END]

Interview F: Patricia; May 13, 2022

Interviewee: ... Virginia.

Moderator: What city in Virginia?

Interviewee: Reston.

Moderator: Reston, Virginia? Okay. I'm an independent moderator. We're going to be talking about plastics in the water and plastics on the land. There are no right or wrong answers in the interview. You'll receive a link to an Amazon gift card after we finish the interview. There are no right or wrong answers today. There are people listening in that help me remember some of my questions. There you are.

Interviewee: Yep.

Moderator: Oh my word. Now, Patricia, I can only see the top half of your head. Can you move the camera down? There you are. Now I see you.

Interviewee: Yep.

Moderator: Yay. Can you see the screen?

Interviewee: I know. Yeah. I can see your screen. I can see you.

Moderator: Okay. I'm going to have you look at some pictures and I want you to tell me what you see and how you feel about the pictures that you can see. There are pictures of-

Interviewee: Okay.

Moderator: ... the ocean and plastics in them. Please describe what you see and describe your feelings about these pictures.

Interviewee: Right. The first picture I see a lot of waste. Then the second picture I see a plastic bag. Then I see like a coral reef with all this stuff, garbage. My feeling about this is that it really disgusts me. There's just so much waste in the ocean that we're destroying the reef, we're destroying animal life. Turtles get caught up in it. I think we should do more recycling. Virginia just finally passed a law where you have to pay for plastic bags.

Moderator: How much do you have to pay for plastic bags?

Interviewee: 5 cents.

Moderator: Okay. What's your feeling about that amount?

Interviewee: I think it's good. I wish they did it a long time ago.

Moderator: Okay. Do you ever think-

Interviewee: I'm originally from Massachusetts and they have recycling there, and Virginia doesn't. I think it should be mandatory [inaudible 00:02:35] plastics.

Moderator: Okay. Patricia, tell me how you feel about these pictures.

Interviewee: Well, makes me disgusted and people are lazy, and I think beaches should start banning that they can't bring [inaudible 00:02:59] to the beach, maybe only reusable bottles and stuff. Because you bring kids to the beach and everything, and they're going to throw garbage in the water. Let's face it, they're kids.

Moderator: How else would describe what you-

Interviewee: On the left?

Moderator: ... see, Patricia?

Interviewee: I'm sorry, what?

Moderator: How else would you describe what you see or how you feel?

Interviewee: I'm just amazed that the one with the reef how much is there, is unbelievable.

Moderator: Is that-

Interviewee: It makes me really sad.

Moderator: Oh, dear. Huh?

Interviewee: It makes me really sad.

Moderator: What's sad about that?

Interviewee: That people don't care and lazy and ruining our environment.

Moderator: I'm going to show you some words, Patricia. I'd like you to tell me which of these words best describes what you see.

Interviewee: Plastic ocean pollution.

Moderator: Which of these words best conveys the seriousness of the issue?

Interviewee: Am I supposed to get new words?

Interview F: Patricia; May 13, 2022

- Moderator:** No, no, no. I just wonder which of these words best conveys the seriousness of the issue.
- Interviewee:** I guess ocean litter.
- Moderator:** Okay. In your mind, what's the difference between ocean litter and plastic ocean pollution?
- Interviewee:** The difference is, litter is everything and plastic just means plastic.
- Moderator:** Okay. All right. I was going to ask you, I'm going to describe a survey that was taken in the state of Virginia, so that include people in Reston like you. We asked people, which of those words did the best at conveying the seriousness of the issue. Like you, half said that the plastic ocean pollution was the term that was the most descriptive or the seriousness. Also, marine litter came in at about the fifth of the people. What do you think explains why half the people thought plastic ocean pollution was more serious than marine litter?
- Interviewee:** Because plastic is not degradable and litter is like paper and other forms of trash that some of it is biodegradable. That's why I think plastic is more serious.
- Moderator:** Is there anything else that you want to say that might explain why people considered plastic ocean pollution more serious than marine litter or ocean litter?
- Interviewee:** Yes. Because like I said, other litter can be biodegradable where plastic lasts forever.
- Moderator:** Oh, I see. Let's go to plastics in the ocean. Where do you think the plastic that ends up in the ocean, where do you think that plastic comes from.
- Interviewee:** Humans.
- Moderator:** How does it go from humans to the ocean?
- Interviewee:** People going to the beach and just leaving their stuff on the beach and the waves come in and take it out. People let the kids play in the water with bottles and plastic cups and stuff. It gets swept out. I also think that people that go out and boat and start drinking and stuff, throw the trash in the water. It's convenient. They don't have to bring it home.
- Moderator:** Yeah. Oh, yeah. Let's say I'm a plastic bottle. How do I go from the land to the ocean? How do I get there if I'm a plastic bottle along the side of the road, how do I get to the ocean from there?
- Interviewee:** Through the gutter system.
- Moderator:** Okay. Explain that.
- Interviewee:** With heavy rains and everything, it goes through the gutters and into the stream, which is a big problem because a lot of people don't realize. "Oh, well, nobody sees me. I'm just going to throw it in the gutter." Then it's not out on the road.
- Moderator:** Once I'm in the gutter, what happens to me as a plastic bottle,
- Interviewee:** You just flow to the streams and then streams feed into other waterways, the rivers, the ocean.
- Moderator:** Okay. Would you be surprised to find out that about 80% of the plastic in the ocean comes from inland sources like litter by the roadside, overflowing trash cans, cigarette butts, balloon releases, food and beverage containers? Is that a surprise to you? Or is that about what you thought?
- Interviewee:** That's a little bit of a surprise. I was going to say maybe 70, 75% through the gutters.
- Moderator:** Okay. Let's see. I'm going to tell you, I'm going to show you some survey-
- Interviewee:** It's okay.
- Moderator:** ... people from Virginia. You can see-
- Interviewee:** Go ahead.
- Moderator:** ... that these are 900 people from Virginia. We asked them what are the most serious problems facing you now? The first was insulation and the cost of living. Nearly everyone said that that was important. Plastic floating in the ocean, half the people in Virginia that we surveyed said that was very serious. Another third said that was pretty serious. Altogether almost... Well, 80%... Almost four-fifths of the people thought plastic floating in the ocean was very serious. If we look down at trash and litter in your community, a little more than half of the people thought that was very serious. What do you think explains the difference in how Virginians estimate the seriousness? Plastic floating in the ocean is very serious to almost everyone and trash and litter in your community is very serious to maybe only about half. What do you think explains that?
- Interviewee:** I can... gutter system.
- Moderator:** I can't hear you anymore. I can't hear you, Patricia.
- Interviewee:** I say, well, I think people are not aware that trash going into the gutters end up in the ocean so they don't take it serious enough. Like I was shocked. I think a lot of people think the stuff going in the gutters goes to plants where it's cleaned out and not directly to the ocean. I think education.

Interview F: Patricia; May 13, 2022

Moderator: I just want to make sure I understand, what?

Interviewee: I think people need to be educated that the stuff going in the sewers, it does not get cleaned out. It goes straight to the ocean.

Moderator: I see. You think that when people see litter, they think it's going to be picked up, and when people see plastic, they think the damage is done?

Interviewee: Right.

Moderator: Okay. Could you also please note that plastics and toxins contaminated human food, three-quarters of the people thought that was very serious. What do you think explains that?

Interviewee: They're saying plastic contains toxins.

Moderator: Plastics and toxins within human food, plastics and toxins contaminating human food, three-quarters of people thought that was very serious. What do you think explains that?

Interviewee: I think what explains it that... Remember a few years ago they were talking about baby bottles that are plastic that contain toxins. I think people are aware of it. We just need more education on what goes on.

Moderator: Then what do you think of this sentence? Chemicals and other toxins in the environment, about three-quarters of the people in Virginia thought that was a very serious issue too. What do you think explains that?

Interviewee: I think because of global warming and the ozone layer going through, and the amount of cars and factories, while we don't have that many factories left anymore, but we do have energy plants and waste all the time.

Moderator: Well, Patricia, that explains how the pollution happens. But what do you think makes Virginians think that that's so serious?

Interviewee: I think it's the quality of air around us.

Moderator: What makes people take that so seriously?

Interviewee: Because with global warming and everything, the air is getting heavier. Even I've noticed, I've been around a long time, that the air is not as crisp and clean and then draw a haze and...

Moderator: You know what I want to find out from you though, if there's any difference between plastic floating in the ocean and its seriousness, plastics and toxins contained in human food, and just the trash and litter. Is there anything that explains that difference, again?

Interviewee: I think people think, which I thought until I read an article, that plastics get recycled. But there's so many different grades of recycling. You're supposed to look at the little icon. I thought all plastic was plastic.

Moderator: What is the raw ingredient used to make plastic?

Interviewee: Oh, plastics.

Moderator: Yeah. What is the raw ingredient used to make plastic? Where does plastic come from?

Interviewee: God, I know sand makes glass. Plastic? I don't know, I just get chemicals. Oh, here's something, I don't know.

Moderator: Okay. It comes from petroleum, petrochemicals or oil.

Interviewee: Oh, that's right. It does. Yep.

Moderator: Does that make you think any differently about plastics now that you remember that it comes from oil?

Interviewee: Yes. To me, you can be putting any oil into your system.

Moderator: How does that relate to plastics?

Interviewee: Well, because you put... Everybody thinks they're drinking healthy with these waters, but if you're putting it into a bottle that is made from oil, isn't really that healthy?

Moderator: I don't know. I don't know. But thinking of plastics altogether, does that make you want to use more plastics in your home or less plastics in your home, or is it neutral?

Interviewee: [inaudible 00:16:06] use less.

Moderator: I'm sorry?

Interviewee: I want to use less plastic.

Moderator: Okay. Then how important-

Interviewee: But it's hard.

Moderator: I'm sorry?

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Interviewee: Oh, I was going to say, it's hard. It's like the other day we had a barbecue in my... plastic ones-

Moderator: Patricia, I-

Interviewee: ... and the taste was terrible.

Moderator: Patricia, I-

Interviewee: Oh, I said I had a barbecue and I use a wooden disposable spoons, but you got to get used to it. It's got a weird taste.

Moderator: Yeah. How would you have less plastic coming into your home and how would you have less plastic leaving your home? What would you do?

Interviewee: ... do now is I don't buy...

Moderator: Patricia, I can't hear you. I can't hear you.

Interviewee: Oh. I said, what I do now is that I filter water instead of buying water. Like I said, I use a wooden utensil instead of the plastic one. I do bring my own bag to the grocery store. It's little things, but it all adds up.

Moderator: I think so. Well, can you think of one more thing you might do to bring less plastic into your home?

Interviewee: I know in other countries... bring in your laundry detergent bottle and fill it up. That would be great, but nobody does it. But to bring less plastic in, it's very hard because even manufacturers, they use bubble wrap and everything and we... gone and [inaudible 00:18:15].

Moderator: Patricia, you're going in and out. I can't hear you all the time.

Interviewee: I said, we got to get Amazon and Walmart, you go stand on their bubble wrap and everything. But to get less into my home is, like I said, don't buy bottled water, buy BRITA or something.

Moderator: Oh yeah, yeah. Patricia, true or false, there is plastic in the food we eat. True or false?

Interviewee: True.

Moderator: How does the plastic get into the food we eat?

Interviewee: I think it's from packaging. Even when stuff comes from the field, they wrap it up in plastic so it doesn't get damaged. I also think companies add it.

Moderator: You think companies add plastic to food?

Interviewee: Well, not necessary plastic, but components to keep the foods more stable for longer.

Moderator: Okay. The preservatives you think contain plastic?

Interviewee: In a way I think they do, yeah.

Moderator: Okay. Is there any other way that-

Interviewee: Just a thought.

Moderator: Is there any other way that plastics get into food?

Interviewee: Probably from machinery, if it's not up to date in that plant.

Moderator: Well, actually the plastic that's currently available, the plastic that's currently produced becomes smaller and smaller and smaller and little, little pieces. So it gets eaten by fish, it gets eaten by animals, it gets in the water that we drink. When it's in the water and food sources, it ends up in our food. That's how it happens. Those little, tiny pieces of plastic are either called microplastics or particulates. Which word do you think is a better one?

Interviewee: Micro, because people will remember it. Particulate, they would go out of their brain.

Moderator: Okay. What makes microplastic so memorable?

Interviewee: I guess, because it's easier to say and people will remember it more.

Moderator: Okay.

Interviewee: I learned a lot. That was very interesting about the fish eating the plastic. I never thought of that.

Moderator: Well, they don't eat the plastic, but they eat the smaller, smaller, smaller, smaller [inaudible 00:21:14]-

Interviewee: Right, uh-huh.

Moderator: ... microplastics. What would you say if I said that a recent study indicated that an average person eats several pounds of plastic in a year? What would you say?

Interviewee: That's shocking. I said, that's very shocking. like I said, there's not enough education, even at the school level.

Moderator: What's shocking about people eating several pounds of plastic a year?

Interviewee: The damage that it could do to your body, and it probably causes cancer.

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Moderator: Uh-huh. What's the most shocking part, the pounds or eating plastic?

Interviewee: The pounds.

Moderator: Okay. I want to talk with you about a couple proposals that are before the State of Virginia that might become legislation. The first one is called Bottle Bill. What do you think Bottle Bill is?

Interviewee: [inaudible 00:22:24] 5 cents per bottle. Am I gone again?

Moderator: I think there must be a wire or something. Check your plug, because you're in and then you're out and then you're in and then you're out.

Interviewee: I said you get 5 cents per bottle.

Moderator: Okay. Well you're right. Let's look at more of that. It says Bottle Bill is, you add a deposit of 5 or 10 cents to the cost of each of the bottles or cans that a drink comes in. You get the deposit back when you return each of the bottles or cans to a store or redemption center. What do you think of this initiative? Is it a good one neutral or bad one?

Interviewee: About time. Like I said, I'm from Massachusetts and we had it a long time. Finally, it keeps the streets clean. Even kids will pick up the bottles. They should do it with cans too.

Moderator: It is with cans.

Interviewee: Oh, that's good.

Moderator: Yeah. Is 5 and 10 cents enough? Is that too much? Should it be a quarter or should it be a penny?

Interviewee: If you raise it, more people will recycle more.

Moderator: What do you think-

Interviewee: So maybe 10 cents.

Moderator: I'm sorry?

Interviewee: Well, it is 10 cents. Yeah. I would make it like a quarter.

Moderator: Okay. What do you think of the name Bottle Bill? If you were looking at the ballot, what would be a good name for this initiative so people understood it?

Interviewee: I think it's a good name because it's been used in other states, and I think people know what it is. I would keep it Bottle Bill.

Moderator: Would you use any of the words of deposit or redemption or things like that or is Bottle Bill perfect?

Interviewee: Bottle Bill, keep it.

Moderator: Okay.

Interviewee: Simple.

Moderator: Let's go to the next one. Producer Pays. This is an initiative that requires manufacturers who create and use plastic packaging for their products, the producer would help pay the cost of recycling pickup and processing in local communities, thereby reducing the burden on taxpayers. Favor, not in favor, or neutral?

Interviewee: I'm in favor.

Moderator: Because?

Interviewee: Because Amazon and Walmart are making billions in profits and they're the ones that are the big producers of plastic.

Moderator: Thinking of some of the litter that you've seen on the street, or maybe some of the litter that you've seen in the waterways near you, can you think of any of the manufacturer's names on the litter that you see?

Interviewee: Mostly big name grocery stores with the plastic bags. Then, like I said, Amazon packaging a lot. They buy shops online and they get... A lot of people think it's recyclable, but the bubble packs are not recyclable.

Moderator: Right. What would you think if... What would your reaction be to knowing that, for example, Coca-Cola or McDonald's or Safeway would be responsible for paying some of the cost of recycling?

Interviewee: Oh, definitely, they should. I think Burger King now does recyclable packaging or reusable. I'm not sure. I thought that was a good idea.

Moderator: Now what is your impression of Burger King now that you know about their recycling efforts?

Interviewee: I think it's a great thing. It really gives me a higher opinion of them. But I don't eat fast food, but if I did, I would go to Burger King.

Moderator: Okay. Okay. What about Coca-Cola and Pepsi or Fresca or, I don't know, what would that be like if you saw that Coca-Cola was helping to pay recycling costs?

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- Interviewee:** I would applaud them because I think it's about time that-
- Moderator:** What makes you say about time, Patricia?
- Interviewee:** Why?
- Moderator:** Yeah.
- Interviewee:** Because for years they have known about this problem and their bottom line is profit. They don't care. I think if people are punished for doing something, then the problem would go away. But long as we keep letting them get away with it, then they're going to keep on doing it and they're not going to find alternatives. But if we say, "Hey, listen, you got to start getting rid of the plastic." They're going to find a new alternative for their bottles, hopefully.
- Moderator:** Let's go to the next initiative. Here it says, reduced packaging. Require manufacturers-
- Interviewee:** Oh, definitely. Oh, definitely.
- Moderator:** What makes you [inaudible 00:28:30] about this, Patricia?
- Interviewee:** It's ridiculous. Oh, I'm just laughing because I remember buying my grandchild a doll last year and it was like, they had so much packaging. I said, "What do they think the doll's going to run away?" It really just... Yes, they need to reduce it.
- Moderator:** What do you think about the word require?
- Interviewee:** I think that should be changed. I'm trying to think of a different word because when you use require it is sort of like, "We're going to..." It's like an angry word. I don't know what word we could use, but I'm thinking of...
- Moderator:** Mandate, stipulate, request is not the same.
- Interviewee:** No. Request, they won't do it.
- Moderator:** Okay. So what-
- Interviewee:** Mandate might be better.
- Moderator:** I'm sorry?
- Interviewee:** Mandate might be better.
- Moderator:** Okay. Patricia, are you in favor of this initiative, opposed, or neutral?
- Interviewee:** I'm in favor of it.
- Moderator:** Okay. Let's go to the next one. Single use plastic bags. This comes in two flavors. The first is place a 5 cent fee on single use plastic bags to discourage their use so that people choose paper or reusable bags instead. In favor, opposed, neutral?
- Interviewee:** Oh, like I said, they just passed this and I'm very much in favor of it.
- Moderator:** What makes you so much in favor?
- Interviewee:** Well, I know in California they've been doing it a long time and like... Even I, I collect... Before they had this mandate, I had so many plastic bags just thrown in a drawer. People don't reuse. I think it's about time and it's not hard to bring your own bag.
- Moderator:** What is the effect you think on people in the grocery store? What effect do you think that this version of the bag fee would have on plastics in the ocean or plastics on the land?
- Interviewee:** I think it will reduce it, but I think they should charge more than 5 cents. Because I've been in the grocery store and 5 cents is not... Maybe make it 10 or 15.
- Moderator:** Okay. This is a [inaudible 00:31:21].
- Interviewee:** I also know they go to self serve and they hit they use zero bags, then they're actually using the bags, plastic bags.
- Moderator:** Oh. Well what about this version? Ban single use plastic grocery and shopping bags and require paper or reusable bags instead. In favor, opposed, neutral?
- Interviewee:** I'm kind of opposed to it because if you go into a grocery store just on a whim and you have nothing to carry your groceries home in, that's why I don't think it should be 100% ban.
- Moderator:** Well, they still offer paper or reusable bags.
- Interviewee:** Oh, that... Yeah. But I know some stores don't have paper bags [inaudible 00:32:29].
- Moderator:** In the first one you could go to the grocery store and spend a hundred dollars and then maybe spend a hundred dollars and 35 cents to get the bags. Here in the second scenario, I spend a hundred dollars on grocery and I have no choice, there's no plastic bags. I put them directly in the paper bags or reusable bags. Bags are available, they're just not plastic anymore.
- Interviewee:** I like it. But I think we should charge them 10 cents for paper bags too.

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- Moderator:** Oh, what makes you say that, Patricia?
- Interviewee:** Because people are lazy and they'll just... Well, I'll just ask for paper, I'm not going to bring my own bags and I think we need to get people into the habit of bringing their own bag.
- Moderator:** I think that's very astute. Because I had the bags in my car too, but I think that would get you more in the reusing if you were charged 10 cent per bag anyway.
- Interviewee:** Right. Why punish the people that bring in their bags? I mean, the other people get to do it for free.
- Moderator:** You're right.
- Interviewee:** Yeah. I think...
- Moderator:** Let's go to the next one.
- Interviewee:** Okay.
- Moderator:** It's called polystyrene or foam containers. This initiative is, requirement for restaurants that they no longer be able to use the polystyrene containers after two years. You know the white containers that restaurants-
- Interviewee:** Oh, yes. Styrofoam, yeah.
- Moderator:** There would be a ban after two years for restaurants to use the foam containers. What do you think of that?
- Interviewee:** I'm 100% behind it.
- Moderator:** What makes you so strongly behind that?
- Interviewee:** Because Styrofoam breaks into little pellets and it's not recyclable and there's other alternatives. Yes, I'm 100%. Ban it all.
- Moderator:** There is a possibility that the two years to find alternatives be extended to six years. What do you think about that?
- Interviewee:** No. Other companies are already trying to get rid of it. **They don't need six years. That's just letting them get away with something.**
- Moderator:** What makes you say that two years is understandable and six years lets them get away with something?
- Interviewee:** Because the alternatives are out there. They don't need six years, it's just four more years of profit.
- Moderator:** Okay. Patricia, I don't have any more questions for you. Do you have any questions for me?
- Interviewee:** No, that was really good.
- Moderator:** Oh, I thank you, Patricia, for being a trooper and for hanging in there to get on. I have two questions for you. If you've read any articles, can you send them to us at Susan or Steve? The emails you've received. Also, if you have a headshot of you, could we use that in our report? A picture that you'd like to take of yourself?
- Interviewee:** Sure.
- Moderator:** Okay. Because in our screen, I only see this much of your face.
- Interviewee:** I know. I don't know why.
- Moderator:** Okay.
- Interviewee:** But that's all I see of you.
- Moderator:** Okay. Well, we'll send you an email today or tomorrow with the link to an Amazon gift card for \$50. Thanks so much, Patricia.
- Interviewee:** Thank you, ma'am. This is very educational. Bye-bye.
- Moderator:** Oh good. I'm glad you enjoyed it. Bye-bye.
- Interviewee:** Bye-bye.

[END]

Interview G: Taylor; May 14, 2022

Moderator: We're not going, we record this session because we need to write a report. You recently took a survey on like the environment and that kind of topic. So that's what we're going to be discussing today. We record because we talk to so many different people and I'm not going to be taking a lot of notes. I talk a lot with my hands and Steve's going to be running our slideshow. So then we don't publish the findings. But in this case, we are going to be publishing a summary. And at the end of the session, we're going to ask you whether or not you'd like to use your face together with whatever you say. So if you do agree with that, we'll ask you that at the end, however if you say no, that's fine too. Okay. So we always like to start off telling you a little bit about yourself. Where do you live? Who do you live with? And a thumbnail, a little snapshot of your typical day. So take it away, Taylor.

Interviewee: Awesome. No, thank you for your time. And also, I'm totally fine with the recording. So no worries about that. I guess just a little bit about myself. Again, my name is Taylor Tuala. I'm originally from Southern California, but at this time my family and I, we're living in northern Virginia, about 15 minutes outside of DC. And so I work right now in logistics, more so working with school districts with student transportation. That's kind of my deal. And then I'm Hawaiian Pacific Islander. I'm originally from southern California, but my family and my roots come from Hawaii and Samoa and so nature, and I guess taking care of the environment is in my blood. And so that's one of the reasons why I,

Moderator: You jumped at the chance.

Interviewee: Yeah, yeah, exactly. Wanted to see how this would be. And so that's just a little snapshot of myself. And I have a little two year old. We actually just went to Hawaii to visit my family.

Moderator: Oh, congratulations. Nice.

Interviewee: Thank you.

Moderator: Okay. So let's get to the word testing. Steve. I'm looking at my screen here. There's another screen here with my guide. Here we go. Can you see the screen that's presented there? Taylor, can you see the screen?

Interviewee: Yep. Yes I can.

Moderator: Okay. So how would you describe what you see?

Interviewee: A lot of waste and pollution, especially in our oceans.

Moderator: Okay. How do these images make you feel? What's bubbling inside of you when you see this?

Interviewee: I guess I feel sadness, one, for the sea life that's lost and a little bit of frustration and anger at the people that just throw away trash or leave it wherever it shouldn't be.

Moderator: Okay. And what else? I have anger, I have frustration, sadness. The anger frustration is towards the humans.

Interviewee: Yeah.

Moderator: Sadness is towards the marine life or the sea life, as you described, that have to live in this. Okay. So Steve, could we go to the words? Okay. So here are a list of words that could describe what we saw. Which of these seem the most serious to you out of this list of words?

Interviewee: I would say plastic ocean pollution, more so just because that, at least for me, that kind of covers a lot of, at least the images that were shown, it covers a lot of, not only the pollution that may stem from the plastic that's thrown into the ocean, but also other pollutions outside of the causes that plastic has to the sea and to ocean life.

Moderator: Okay. So plastic pollution is also on the list, but you specifically chose plastic ocean pollution as the most serious. Are there any others that you find just as serious or, or almost as serious as plastic ocean pollution? Are there any other?

Interviewee: Yeah, so plastic ocean pollution and actually plastic pollution as well. I would say those two are for me are kind of two big ones regarding, yeah. Because plastic pollution, I guess that one also covers outside of ocean life, but also kind of the effects that it has on our earth.

Moderator: Okay. And so about the other ones, why didn't they resonate with you?

Interviewee: I would say the other ones didn't resonate with me just because it, I felt it was covered with the plastic ocean pollution.

Moderator: Okay. So it encompasses, so plastic ocean pollution encompasses everything else that you see. What about this? The word litter, debris, trash, aren't they just as impactful or why are they less impactful to you?

Interviewee: I would say they are impactful as well, but I would say pollution, I guess that word resonates more, kind of something that shouldn't be there. I think litter, obviously you should not be there, but pollution is more of like, something that destroys as well. And litter, I think litter and debris, it kind of makes it

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seem like it's not as bad of a, yeah. It's like, oh, you know, pick up some litter or debris that's on the, on the ground.

Moderator: So marine debris, let's talk about that one. You mentioned debris. Marine debris doesn't sound as serious or as harmful, is that what you're saying?

Interviewee: Yeah. Exactly.

Moderator: Plastic ocean pollution. Is that what I'm hearing?

Interviewee: Exactly.

Moderator: Marine debris sounds like, it's just random items that aren't harming,

Interviewee: Exactly.

Moderator: That aren't as harmful. So plastic ocean pollution sounds more harmful to you.

Interviewee: Yes.

Moderator: Okay. I understand now. Okay. So let's look at the next slide. Okay. So in the survey that you took, can you see the graph?

Interviewee: Yes. Yep.

Moderator: Oh, okay. So as you can see plastic ocean pollution, what you chose, was the number one choice as the words that seemed the most serious, seconded by your other choice, plastic pollution. So why do you think that these two came out on top like for the same reasons that you said earlier, that it just seems more impactful, more harmful?

Interviewee: I would agree. I think plastic pollution to be honest covers kind of a general basis, but plastic ocean pollution, kind of like we were talking about before, covers those other,

Moderator: So ocean litter, ocean plastics, marine debris, and marine litter are underneath the umbrella of plastic ocean pollution?

Interviewee: I would say yes.

Moderator: Yeah. Okay. Because it's not just, go ahead.

Interviewee: No, no, sorry. Sorry. Go for it.

Moderator: No, I was just trying to understand more of what, because you stated earlier, you think that other people chose the word pollution itself is more impactful, and it also covers the realm of debris of litter.

Interviewee: Of litter and, yep, of plastics. I think the word pollution, for some basis, like growing up in Southern California, there was pollution everywhere, like just in the air. And so I think plastic ocean pollution covers not only the basis of like plastic and debris and litter that happens in the ocean, but also the harmful effects that has on the ocean.

Moderator: Okay. So it also covers the result of it being there. Okay. I understand. Okay. Why do you think people are so motivated about plastics in the ocean? Since humanity, I think that there's been pollution, or we've polluted the ocean. So what, what is it about plastic?

Interviewee: I haven't studied too much on, I mean, I've taken a few classes in college. One of the things that I've learned is plastic. It takes forever to decompose. And so one of the reasons why plastic is such a harmful item that can be found in the ocean is because it doesn't just decompose. It stays there for years. And, and so because of that, sea life, I'm sure everyone's seen that video of the turtle with that plastic straw in its nose.

Moderator: With the plastic can holder. Right.

Interviewee: Exactly. It's so sad to see that. I think as humans, we tend to forget that we clean up the trash around us and unfortunately we think, oh, it disappears, but it gets placed into other people's homes, which are like animals. And so animals have to suffer. Unfortunately they can't clean up the plastic on their own. And so it's really our fault for placing it there. And so I think just again, plastic is harmful because it doesn't just decompose, it takes years, almost hundreds of years to disappear.

Moderator: Right. To disintegrate or to degrade as you, as you called it. So when we're talking about, by the way, where have you seen that video of the turtle, or you mentioned that you've seen that. Where did you see that specifically? Or can you remember?

Interviewee: I want to say I saw it either on Facebook or [inaudible 00:12:26]

Moderator: So social media?

Interviewee: [inaudible 00:12:28] it became viral. Yeah.

Moderator: Okay. Okay. All right. So let's go to the next slide. Okay. So plastics in the ocean. You talked about, humans are the ones that are causing this. Where do you think the plastic comes from? How does it get to the ocean? Like what's the process?

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Interviewee: I know a lot of it comes from neglect from people that litter people that just are either, sometimes vacationing, they are having parties and then just like, leaving out the [inaudible 00:13:08] that they have are throwing it out in different places. [inaudible 00:13:19] That's a majority of the understanding that I have of like where plastic in the ocean comes from.

Moderator: So beach goers, [crosstalk 00:13:27]. You're, you're saying that beach goers, like people that go to the beach that are vacationing, they leave their garbage, their trash, mostly plastic, and they just don't take care of it like that. Okay. They don't throw it away. Would you be surprised that 80%, this is a factoid. So listen to this. Yeah. Would you be surprised to find out that 80% of the plastic in the ocean comes from inland sources, like litter by the roadside, overflowing trash cans, cigarette butts, balloon releases, have you seen like a memorial for someone, there's a balloon release, and food and beverage containers that are inland, that wash out into the ocean.

Interviewee: Wow.

Moderator: You didn't know that?

Interviewee: No, that's, that's crazy. I did not know that.

Moderator: Okay. So now, knowing that, let's say, for example, you're in Virginia, right? So let's say for example, a Starbucks plastic cup or, or some kind of plastic receptacle, anything that's not thrown out properly in Virginia can end up in the Chesapeake Bay and then out to sea.

Interviewee: Yeah.

Moderator: Yeah. I mean, you could be in the park, you could be anywhere. It just gets washed off and into the storm drain, and then out to sea, you didn't know that?

Interviewee: [inaudible 00:15:00].

Moderator: Okay. So now knowing that, how does that make you feel?

Interviewee: I think that's even more so has a huge effect on how we should be living. Not only like people that live on the coast, but people that live obviously everywhere. I think that's crazy to know that even just trash on the wayside. And I see I've seen people just throw stuff out the window,

Moderator: Out the window from their car?

Interviewee: Before on the highway, the car and they throw it out. And it frustrates me, but I never thought that cup could land all the way to the ocean, which is really sad to hear.

Moderator: Okay. So it's very sad. Okay.

Interviewee: Yeah. And it's really frustrating. And like,

Moderator: So, so going back to your original word, sadness, frustration, and anger.

Interviewee: Yeah, exactly.

Moderator: Yeah. Okay. Let's go to the next slide. Okay. I'm hoping that you could see this graph. So in the survey, rating the seriousness of problems in general. So inflation and the cost of living obviously is number one. But secondly, what rated really high was plastics floating in the ocean, was rated 55% and then somewhat serious, 32%. So if we add those up together, that's 87% of people thought that it was a very serious to somewhat serious problem. Trash and litter in the community, which is what we just discussed earlier is where was the lowest.

Interviewee: That's crazy. Wow.

Moderator: So do you see the difference? Like, yeah, I think it's important, plastics floating in the ocean is a very serious problem, but the trash and litter that is in the community that ends up in the ocean is not really much of a problem. Yeah. And yeah it is, but it isn't. How do we connect? How do we make that connect?

Interviewee: I think understanding kind of what you were explaining about, because, to be honest, I didn't know that 80% comes from inland. And so I think understanding that basically the litter in our community is what makes up the litter in the ocean is a huge game changer.

Moderator: 80% of what we throw away inland ends up in the ocean. Anything that's not properly thrown away. Right. So anything that's not in a garbage can or recycling bin ends up in the ocean.

Interviewee: That's crazy. Yeah.

Moderator: How do we make it connect though? That's what we're going to be exploring. That's our goal for today. How do we make people understand that litter in their communities, the plastics in particular, ends up floating in the ocean? It's a game changer, you said. Explain that.

Interviewee: [crosstalk 00:18:20] I would say educating our communities and educating the people around us that 80% does make up what we're doing right now with the trash and the plastics that we recycle or don't recycle essentially. And so, because of what we throw away and how we throw it away, if we dispose

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of it correctly, that can essentially cause you know, that one bottle of water that we're drinking to either end up in the correct location, recycled, or into the ocean. To be honest, it should really that trash and litter in your community should be right next to the plastic floating in the ocean.

Moderator: Right.

Interviewee: Instead of at the very bottom.

Moderator: So what we have to do is, we have to let people know 80% of what is in your community ends up in the ocean, so more of educating on that factoid is important?

Interviewee: Yes. Yeah, I think so.

Moderator: Okay. All right. So what about the chem chemicals and toxins in the environment? That's 44% and plastics and toxins in human food. Did you know that there's plastics in human food?

Interviewee: I kind of had an idea with, I mean, like not entirely. I mean, it's not something that I think about when I'm eating, but it has been something that I've heard of before. Which is crazy,

Moderator: Which is crazy, too, right? Yeah. Those were third and fourth as far as rated very serious. Let's go to the next slide. Okay. Continuing on with plastics. Do you know what makes up plastic? What do you think it's made of?

Interviewee: I know there's a lot of chemicals in plastic and I'm not sure entirely what plastic is made of.

Moderator: Okay. Okay. So how does it make you feel to know, here's a factoid? How does it make you feel to know that plastics are made from fossil fuels, petroleum, and petrochemicals?

Interviewee: Wow. Yeah.

Moderator: The same thing that you put in your car to drive is also making plastic.

Interviewee: Yeah. That's, that's intense. I didn't know that. I knew there were like a lot of chemicals that were put into making plastic, but I didn't know that essentially the same thing that we used to drive around is what's in plastic. Yeah. Or what it's made up of.

Moderator: Now we saw that graph earlier about plastics in the food that you eat and you said, "Sure, I think there might be, I mean, there has to be, since we use so much plastic and food as a container." Here's another factoid. A recent study indicated that an average person eats several pounds of plastic a year.

Interviewee: Wow. Disgusting.

Moderator: Disgusting?

Interviewee: Yeah.

Moderator: How do you think it gets into the food?

Interviewee: I know a lot of it comes from what animals eat. We eat animals and a lot of times it comes from, like, if we fish, sometimes fish eat, actually no, a lot of fish absorb the plastic that gets thrown to the ocean. And so that plastic, we essentially are in turn eating because we're eating those fish.

Moderator: Right. Okay.

Interviewee: And so I know lot of times it comes from animals that either eat plastic and or absorb it in their bodies and stuff like that. Yeah.

Moderator: Knowing that plastic is made out of petroleum or petrochemicals, does it make you want to do something different about it?

Interviewee: Yeah. I would say, I'm going to have to think a lot about what I'm eating now.

Moderator: Right. Okay.

Interviewee: Yeah. That's kind of like a thing that actually my wife, the other day was, was showing me a video of like all these things that are harmful to our bodies. And so now knowing that plastic is in a lot of foods or...

Moderator: Or that the average human consumes several pounds of plastic a year without knowing?

Interviewee: That's knowing it's gross, it's sickening to know that. There's a change that needs to be everywhere. And I know in Hawaii specifically, they've kind of banned plastic from being used throughout all the islands. And so they only use like paper, paper bags, paper, anything really, you can't find any plastic straws or, or anything like that.

Moderator: You and your wife would be motivated to move towards paper versus plastic. Like, let's say if it's a plastic container that you put in the microwave, make sure it's glass or some kind of paper product.

Interviewee: Yeah. No, absolutely. I think even then, I don't think anyone should put plastic in the microwave just in general when heating food up, just because that can get near food, but now knowing that it's probably already in your food, it doesn't make that big of a difference.

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- Moderator:** Right. So it feels kind of like too big to handle. The problem is too big to even manage. Okay. This is another factoid, there are little bits of plastic that are found in the environment when plastic breaks up, it never completely goes away. And that's what we were talking about. You said about fish, you talked about just every day things that you consume, the plastic is already in there. There's two phrases that have been thrown around. They're called either particulates or microplastics. Which phrase do you think best describes what we just talked about? Microplastics, particulates. What do you think? Which one would you use to describe that?
- Interviewee:** I would use microplastics just because I'm not familiar with word particulates.
- Moderator:** Okay.
- Interviewee:** Okay. So yeah, I would say microplastic.
- Moderator:** Okay. We're almost done. We're at the half hour mark. So we're going to talk about policy proposals. These are different policy proposals that would ultimately diminish or curtail or control the amount of plastics being used, thrown away, et cetera. It's really meant to diminish plastic use in the state of Virginia, and it's being considered. And so we're going to talk about five ideas and get your opinion on them. Okay? You're going to watch your screen. The first one is the bottle bill. Do you know what a bottle bill is?
- Interviewee:** I -
- Moderator:** Heard of it?
- Interviewee:** I have not.
- Moderator:** Okay. Okay. Well, let's find out. Next screen. Okay. So the bottle bill will add a deposit of five or 10 cents to the cost of bottled drinks. So that would be bottles and cans. You would get the deposit back when you return the bottles or cans to a store or redemption center. And this would be glass and or aluminum, metal, or glass bottles, or cans. What do you think of that?
- Interviewee:** I, a thousand percent agree. I know I lived in Washington state for a time and I even feel like food or drink like milk that comes in a glass bottle tastes better anyways. So I would say that things like that make sense.
- Moderator:** Okay. Okay. It makes sense to have a bottle bill.
- Interviewee:** Yeah.
- Moderator:** Yeah. Okay. All right. Let's go to the next one. Oh, is there a better way to say it, by the way? Do you like the word "bottle bill" or would you call it something different to make it more catchy?
- Interviewee:** I would have to think about it, but I think maybe a different name would be more catchy.
- Moderator:** Like what?
- Interviewee:** I can't think of anything right now, but I was thinking -
- Moderator:** What did they call it in Washington State when you lived there?
- Interviewee:** I can't remember, but if there's a way to send you a message, I'll get back to you on that one.
- Moderator:** That. Okay. Yeah. You can send it to Steve.
- Interviewee:** Okay. Awesome.
- Moderator:** All right. Okay, let's go to the next one. Okay. This one is labeled, "producer pays." Now if you could come up with a better name, we'd greatly appreciate it. So let's look at the idea. This idea requires manufacturers who create and use plastic packaging for their products to help pay for the cost of recycling pickup and processing in local communities, reducing the burden on taxpayers. So in other words, let's say that plastic energy drink, or that gallon of milk that comes in plastic, whoever makes and produces that bottle of milk or energy drink would essentially be paying for the recycling.
- Interviewee:** Yeah. And I think that's fair as well, just because, I think the use of plastic, if they're creating that, there should be a price to pay.
- Moderator:** I mean, they're the ones creating the product that we consume, right? So the purpose is, well, they're the ones that are putting all this plastic out into the environment because they're packaging these goods in that material that's ultimately landing up in the ocean.
- Interviewee:** Agreed. Yeah. So I agree as well.
- Moderator:** So they should pay part of that cost in order to save money to us, the taxpayer or because ultimately we pay for the services to clean up the plastic.
- Interviewee:** Agreed.
- Moderator:** Any idea, should we change the name "producer pays," or what's a better way of saying that? It's also called, "extended producer responsibility." What would you call it instead?

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- Interviewee:** I would, I would call it, man. Yeah. I would have to come back to you about that one as well, but I think "producer pays," it's straightforward and understandable from what it says. But yeah, I would say that makes sense for right now as a name.
- Moderator:** Okay. And, this would pay for local recycling programs and local landfill. So you'd support the idea?
- Interviewee:** Yes. Yeah. I would support that idea. So if anything, I would add on, obviously a way out of it is if, obviously if they use like materials that aren't plastic. That would,
- Moderator:** So it would be cheaper for them to package their products in something that's not plastic, because then that additional cost wouldn't it be added into the product.
- Interviewee:** Exactly.
- Moderator:** So like you said, milk producers would use glass instead of plastic.
- Interviewee:** Plastic.
- Moderator:** Yeah. Right. Okay. And you said it tastes better anyways.
- Interviewee:** It does. Yeah.
- Moderator:** Or metal products.
- Interviewee:** Yeah. Or metal or, yeah.
- Moderator:** Okay. Let's go to the next screen. Okay. This one is called "reduced packaging." And what this is, require manufacturers to use less plastic and product packaging, just kind of a little segue as to what we were talking about earlier. So reduced plastic packaging essentially incentivizes manufacturers of that milk carton, it can be even in a paper product and use paper instead of plastic. Use glass, use metal, instead of plastic. Is this program called the right way, "reduced packaging" or "reduced plastic packaging?" Should we call it something else?
- Interviewee:** I would, reduce plastic. I think reduce plastic packaging... Yeah. I'm sorry. I'm so not creative with names, but I think it gets to the point again, like reduce plastic packaging.
- Moderator:** Okay. So tell me you can tell me if the name that we see doesn't work for you.
- Interviewee:** Okay. Yeah. Okay. Yeah. I think we're okay with this one.
- Moderator:** We're okay with this one. Okay. Let's go to the next one. All right, now we're on single-use plastic bags. And this one, there are two ideas here. Place a five cent fee on single use plastic bags to discourage use so that people can choose either paper or reusable bags instead. And then the second idea is to ban single-use plastic bags. Ban these single-use plastic grocery and shopping bags and require paper or reusable bags instead.
- Interviewee:** Yeah. Yeah. And so this one, I as well agree with, I know this is one of the things that they also do in Hawaii already that they either have a bag fee or they ban single-use. They already do ban single-use plastic.
- Moderator:** Living in Virginia now, have you seen any of this already in your travels?
- Interviewee:** Yeah. I've seen this already, that at the store you have to pay, I think as of January 1st, you have to pay like five cents for a bag and you always have to put how many bags [crosstalk 00:34:35]
- Moderator:** Is that in the city? What city do you live in, again?
- Interviewee:** We live in Alexandria.
- Moderator:** Okay. So Alexandria has this local thing.
- Interviewee:** Yeah. Yep. So we have that.
- Moderator:** Okay. So what about in other parts of the state of Virginia? Have you seen it?
- Interviewee:** I think Arlington also carries something similar. And then I haven't, or in Springfield as well. I haven't been too far outside of this area though.
- Moderator:** Okay. Okay. That's fine. All right. Let's go to the next one then. Okay. Polystyrene. These are the foam containers, like if you ever do takeout, sometimes will be in what's also known as Styrofoam. Those foam containers, sometimes you'll see them in convenience stores, those foam containers for coffee or for soft drinks. Okay. So let's look at the proposal. We're going to ban polystyrene or foam takeout containers, and give restaurants two years to find alternatives. Right now, the law says restaurants have to phase it out in about two years, but there's also a proposal in the Virginia's general assembly to extend it to six years. They're still using Styrofoam and they have six years to phase it out.
- Interviewee:** I would say two years should be.
- Moderator:** Should we keep the two-year limit?

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- Interviewee:** Yeah, the two-year limit should be, because if we want to make a change, we have to make that change now. And so two years, unfortunately like two years is pretty long, but six years is even longer. So I would rather go with two years than with six.
- Moderator:** Okay. Okay. All right. So you'd vote for that.
- Interviewee:** Yeah.
- Moderator:** All right. Awesome. Okay. Well Taylor, guess what? We're done.
- Interviewee:** Wow.
- Moderator:** Yeah, we are done. Okay. Oh, wait, I have a question. We're going to go back to the bags. In the survey, people supported the plastic bag ban much more than the five cent.
- Interviewee:** So I support both to be honest. Because I know in other locations that they have, actually, they've banned plastic, single use bags in general. And then there's like a small five cent fee for paper, even, for paper bags that grocery stores would use. And that's just because paper costs a little bit more to create those and have those. And so to me, I would, if anything, do that or instead of a five cent bag fee that single-use plastic bags are banned entirely and that five cents is for paper bags.
- Moderator:** Like a deterrent. Let's do both. So you said let's ban the plastic bags, but in order to make the ban happen, we have to also -
- Interviewee:** Incorporate.
- Moderator:** - incorporate the ban, the five cent fee to dwindle it down and then ban it. Right, is that what I'm hearing?
- Interviewee:** Not entirely. I'm saying that the five cent fee, that bag fee comes for, if we use paper bags or any alternative because, and this is more so for like the grocery stores that have to buy these alternatives because I do know paper bags are more expensive than plastic bags just because of how much it costs to have those instead. And so I would say banning the single use plastic bags as one thing, and then additionally -
- Moderator:** Adding a tax for any single-use bag whether it's paper,
- Interviewee:** Exactly.
- Moderator:** So that encourages people to bring their own.
- Interviewee:** Exactly.
- Moderator:** Okay. Oh, wow. Well, I'd vote for you for mayor. All right. Well, okay. So we have a \$50 electronic gift card coming your way. And would you be able to provide a photo or would you like us to do a snapshot from our conversation today as a part of our report?
- Interviewee:** Yeah, no, absolutely. Sorry. I don't look the best and I mean, I'm in my car.
- Moderator:** You look beautiful, Taylor. You are gorgeous. We can, but we'll use a snapshot, then, of the video.
- Interviewee:** Okay. No worries.
- Moderator:** All right. Thank you so very much.
- Interviewee:** All right. Thank you so much.
- Moderator:** All right. Have a good day.
- Interviewee:** You too.

[END]

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- Moderator:** Thank you for accommodating. Okay. I'm going to explain that in a second. So have you ever participated in a market research study before like this one?
- Interviewee:** Like this one? No. No.
- Moderator:** Okay. So I don't know if you remember, but you did take part in a survey about environmental issues. And that's how we were able to get you to come and join us in this one. And with that said, we do record the session that we're doing today only because we're interviewing a whole bunch of people across Virginia. And I talk a lot with my hands. I'm not going to be writing notes. If you could see Steve Raabe from OpinionWorks is joining us as well. And we are an independent market research firm. We don't work for the government, we don't work for a corporation or anything. This is what we do. And today's topic is also going to be an offshoot of that survey that you took about environmental issues and how you feel about it. So today, you are the expert. So this is the John Gilbert show today. And I'm your interviewer. I'm Shirley. This is what I do. So typically, we make these anonymous and confidential. However, our client has asked if you would like to be a part of the report, show your face to the report, you can give your permission or not. It's okay if you say no, but if we're allowed to get a screenshot of this session to put, let's say, John, we're not going to use your last name. We're not going to say what part of Virginia you're from. It's just John. So if you're okay with that, just say yes.
- Interviewee:** Okay, yes.
- Moderator:** Okay, awesome. All right. So we're here to talk about environmental issues in the state of Virginia. So I don't know if you remember, the survey asked you about plastics and et cetera and things. That's-
- Interviewee:** Different world issues and stuff. Different world issues and stuff.
- Moderator:** Well, that's what we're going to be talking about today.
- Interviewee:** All right.
- Moderator:** It's going to be about 40, 45 minutes. And then at the end, you're going to get a \$50 electronic gift card at the end of the interview. So that will be emailed to you, so then that way, you can spend it any way you like, as a gift. Okay. So let us start with, tell me a little bit about yourself. What city do you live?
- Interviewee:** I live in Woodbridge, Virginia.
- Moderator:** Okay.
- Interviewee:** Right on the edge of Dale City, at the top of Dale Boulevard and stuff, where it's still Woodbridge.
- Moderator:** Okay. Okay. And give me... How's your typical day like?
- Interviewee:** I wake up in the morning because I keep feeling pokes or something, and something will be missing for one reason or another and [inaudible 00:03:26]-
- Moderator:** What do you like to do for fun?
- Interviewee:** Board games. I really like board games.
- Moderator:** Oh, okay. You have board games. What's your favorite board game?
- Interviewee:** I like the one at the top, the Ball and Chain game.
- Moderator:** Oh, I can't see it from here. What is it?
- Interviewee:** [inaudible 00:04:00] situated... It's this game that's like chess, except it's [inaudible 00:04:05]-
- Moderator:** Did you say Par... Was it Parcheesi?
- Interviewee:** Not Parcheesi. It's called the Ball and Chain game.
- Moderator:** Oh, I never heard of that one before. Oh, okay, I see it. I see it now.
- Interviewee:** Yeah.
- Moderator:** Oh, yes. Okay. I now know what it is. Okay, great. Okay.
- Interviewee:** So if you ever see that game, I recommend you play it.
- Moderator:** All right. I will. Okay. So now we're going to start the interview. Steve is going to show us... He's going to be switching the screen, so we're going to make sure that you can see the screen, which is the most important part. Okay. So Steve, can you show us the pictures there? Okay. Can you see those pictures there, John?
- Interviewee:** They look like a whole bunch of plastic garbage in the ocean and rivers and stuff.
- Moderator:** Okay. And so you see a whole bunch of what? Garbage floating in the rivers and ocean?
- Interviewee:** Plastic garbage.
- Moderator:** Okay. So looking at these images, can you tell me how this makes you feel when you see those images?

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Interviewee: Well, it's like on the one hand, I think why [inaudible 00:05:22] let it get to be [inaudible 00:05:23] the whole problem. Then I'll think about, well, I mean, if we just stop now. So [inaudible 00:05:33] stopping, it should [inaudible 00:05:35], but people, for some reason or another, [inaudible 00:05:39] more profitable to this crap with all the plastic garbage and you know what I mean?

Moderator: So this is people generated?

Interviewee: Yeah, yeah, yeah. It's people generated, but if you inform the people, it won't necessarily change anything.

Moderator: Okay.

Interviewee: Now that the public has been informed, that's how I was informed. Public was informed and stuff and-

Moderator: So the public should be informed that they're impacting the ocean and the rivers?

Interviewee: No, no. The public already is informed [inaudible 00:06:11] this one. If we just keep up what we're already doing in that regard, I think everything would be fine, but maybe trying some way of really [inaudible 00:06:18] it home, not using plastic straws or something like that.

Moderator: Okay. Express to me some emotional-

Interviewee: Well, like some kind of incentive thing.

Moderator: Yeah. Yeah. But tell me how this makes you feel. When you see this, what kind of emotion comes to your mind? Sad, happy, scared? That's what I'm looking for.

Interviewee: Sad.

Moderator: Sad. Okay. Any other emotions?

Interviewee: It's kind of like, well, I guess we could just take all of it and make islands out of it or something.

Moderator: So you think that this plastic that's in the oceans and rivers can be recycled some way to make an island or land of some sort?

Interviewee: Yeah. Yeah.

Moderator: Okay. Okay. Let's go to-

Interviewee: We're going to have to stop putting it in the ocean. It's important that we keep up all the stuff [inaudible 00:07:15].

Moderator: So would you prefer it to be clean or would you prefer to just collect all of this and make an island?

Interviewee: Oh, ideally clean. It's just if it's lacking being able to just clean it all up instantly, there's the option of an island or something. I don't know.

Moderator: Okay. Okay. Let's go to the next slide, Steve. Okay. So these are some words here. Can you read those words?

Interviewee: Yeah.

Moderator: Okay. So what... See, look at... Remembering the pictures that you just saw earlier, which phrases would describe what you just saw?

Interviewee: Plastic ocean pollution. I mean, basically, all of them it's just...

Moderator: Okay. And-

Interviewee: [inaudible 00:08:11] the same thing, is I think that's the most explanatory for the word choice or something.

Moderator: Okay. And then what's the second one that you would think that would describe what you saw?

Interviewee: Maybe like marine litter or something.

Moderator: Okay. Which is the most powerful of the two, the most impactful?

Interviewee: Between the two, most impactful was marine litter, but it doesn't quite hit home the full idea like plastic ocean pollution does.

Moderator: Okay. So that one you think hits home more. Why?

Interviewee: Yeah, because it has... Here it's like ocean litter, but it doesn't specify the plastic or anything. [inaudible 00:08:52] all about the plastic ocean pollutions. I figured plastic ocean pollution, because all these other places, [inaudible 00:08:58] ocean and plastic and stuff, or debris in ocean, or something like that, so...

Moderator: Okay. So you think-

Interviewee: It doesn't explain plastic [inaudible 00:09:07].

Moderator: It doesn't explain it as much as plastic ocean pollution?

Interviewee: Yeah.

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- Moderator:** So the word pollution, let's get to this word pollution. I want you to help me define that word. Why couldn't we just use litter or debris?
- Interviewee:** Well, because that's less hitting home [inaudible 00:09:28].
- Moderator:** It's less hitting home than pollution?
- Interviewee:** Yeah. They'll be... Pollution is far more [inaudible 00:09:39] sink in better.
- Moderator:** Okay. So pollution is a more... I mean, that's what's really happening. It's impacting the water quality as... It's not just things floating in the water, it's affecting the water quality.
- Interviewee:** Yeah.
- Moderator:** Okay. Okay. All right. And so, we're going to show you the next slide.
- Interviewee:** Okay.
- Moderator:** So here is... Remember the survey you took about plastics and whatnot? So the phrase that you chose, plastic ocean pollution, was chosen as the words that seem most serious to Virginians. So you're in the majority right there.
- Interviewee:** For the first time ever.
- Moderator:** What'd you say?
- Interviewee:** [inaudible 00:10:25] joking around. I was like for the first time ever.
- Moderator:** Oh, of course. Yeah, no, I get it. But yeah. So you are in the majority as far as plastic ocean pollution, the word that seems most serious and the words that define what you just saw. And what we're trying to figure out is why does... So I have some colleagues that feel that marine debris, which is the last second one, is more definitive of what?
- Interviewee:** Well, it reminds people of seriousness and all, I'm sure. And that's good to have an association with the idea, but it sounds slightly better than plastic ocean pollution. It's just plastic ocean pollution explains it best. Because marine debris, for all you know, it's like marine animal debris or something.
- Moderator:** Okay. Now I get it. Okay.
- Interviewee:** Yeah.
- Moderator:** So debris can be... Marine debris sounds like it could be animal poop?
- Interviewee:** Yeah.
- Moderator:** It could be, let's say for example, I don't know, maybe an otter. You know how the otters break shells on top of themselves? Clam shells just floating. And that could be marine debris as well.
- Interviewee:** Mm.
- Moderator:** So the plastic ocean pollution defines it best, because it's specific to the material, as well as the human impact that it's causing.
- Interviewee:** Mm.
- Moderator:** Okay. All right. Okay. That was good to hear. All right. Let's go to the next one. Okay. This is... We're going to be talking about plastics in the ocean. And let's talk about where do you think plastic in the ocean comes from? How does it happen? How does it get in the ocean?
- Interviewee:** From what I've heard, it's like all these trash companies that are on the coast across the globe do this thing where they just chuck everything in the ocean, [inaudible 00:12:38] their land clean.
- Moderator:** Okay. So these trash companies that are contracted to pick up trash everywhere are just dumping it illegally into the ocean?
- Interviewee:** Well, it's like oftentimes around the coast and stuff, that ends up happening.
- Moderator:** Okay. Around the coast. Okay. So I'm going to give you a factoid. Some of these... First of all, I'm going to ask you a question, see what you think you know about it, and then I'm going to give you a factoid. Now, I will tell you that these factoids come from the National Oceanic Administration, the organization that they chart and plot hurricanes and storms all over the world. But they're from the United States. They're based in Miami, Florida. No, I think that's the Hurricane Center, but the National Oceanic Administration, NOAA, says that 80% of the plastic that's in the ocean comes from inland sources like litter that you see on the roadside, overflowing trash cans, cigarette butts, balloon releases. You know balloon releases like a memorial happens in a park and people release balloons.
- Interviewee:** Every five minutes, there's balloons going up.
- Moderator:** Yeah. Food from food and beverage containers that maybe people don't discard properly in a trash can. And you could be miles and miles inland, but somehow, it ends up... It goes down the storm drain, and then that storm drain drains out into the ocean. And so, that is what's causing... That's 80% of the plastic that's found in the ocean. It's people living inland that are polluting the ocean most likely.

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You could live hundreds of miles away from the ocean and somehow, your cup and anything that you throw in the ground or don't properly throw away, ends up there. What does that make you think? Well, is that believable? Do you think it's true?

Interviewee: I guess it's possible.

Moderator: From where you're at, how far are you from the ocean? How far are you from the ocean, do you think?

Interviewee: Few hours.

Moderator: A couple hours. Okay. So let's say for example, John, you're... And I'm not saying that you litter, of course, but let's say for example-

Interviewee: I do litter.

Moderator: Okay. You do litter. Well, you know what?

Interviewee: Yeah. I figure they clean out the storm drain and stuff.

Moderator: Right. So anything that isn't in a trash can, ends up in the ocean, because it goes into the rivers, and then where do the rivers go? Into the ocean. So, okay. What do you think about that? A cup that you may have, a cup of coffee, or soda, or iced tea, or-

Interviewee: It's kind of dumbfounding in a way, because just that it would go that kind of a distance just being left on the street and ending up in the ocean. It sounds interesting at least.

Moderator: Okay. So that's kind of dumb... You said it was dumbfounding. Like how could it possibly be that this-

Interviewee: Oh, dumbfounding means leaves you speechless basically.

Moderator: Wow. Okay. Okay. In the recent survey, Virginians felt that plastics floating in the ocean were a much more serious problem than litter on the ground in their communities. So why do you think that is? And we could look at this graph here and I'll explain it. Do you see those two red arrows?

Interviewee: Yeah.

Moderator: Okay. So those two red arrows-

Interviewee: [inaudible 00:16:51] plastic floating in the ocean, 55, 32. Trash in your community, 24, 36, 61.

Moderator: Yeah. So, look at the difference. So, okay. So the number one problem inflation and the cost of living is a serious problem. The second most important was plastics floating in the ocean, but yet, here's the contradiction, last, was the trash and litter in the community. The trash and litter in the community is what's filling 80% of the oceans. So how do we get people to understand that, John?

Interviewee: You just explain it in a quick commercial.

Moderator: In a quick commercial?

Interviewee: [inaudible 00:17:36]. Just get a commercial and get your company to buy ad time or whatever.

Moderator: Okay. Okay. So we have to educate the population that discarding your plastic or recycling it-

Interviewee: Yeah. What we really need to do is someone needs to invent a crypto coin or something, worth a decent amount of money per coin, but that does something like every time you pick up a plastic bottle or whatever and it's empty, you just snap a shot of the bottle-

Moderator: Oh, like a deposit system.

Interviewee: Yeah. Yeah. And the more trash you pick up, then the more money you make from it.

Moderator: Uh-huh (affirmative). Well, you know what? You're on the money literally, because that's coming up later. So I'm glad you're thinking like that. I'm glad you're thinking like that. Okay. Let's talk about how plastic impacts the water and the land. How well do you know about the chemicals that are in plastic? Do you know how plastics... Do you know what's inside plastics?

Interviewee: I heard that the more flexible a plastic is, then the more feminizing it is or whatever to men.

Moderator: Seriously?

Interviewee: Oh, I heard, yeah.

Moderator: Where did you hear that?

Interviewee: It was this thing [inaudible 00:19:07].

Moderator: You don't remember where?

Interviewee: I don't even remember what we're talking about now. What are we talking about?

Moderator: Plastics and femini... You said that-

Interviewee: Oh, yeah [inaudible 00:19:18]-

Moderator: ... the more flexible-

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- Interviewee:** I read it online. I read it online. What it is, is the chemicals that do the bonds that make it flexible, when they put more of those into it, it kind of resembles estrogen.
- Moderator:** Oh, really?
- Interviewee:** Yeah. Yeah. So if you wrap food in plastic wrap all the time, it can lessen the effectiveness [inaudible 00:19:40].
- Moderator:** Feminize men?
- Interviewee:** [inaudible 00:19:41].
- Moderator:** So let me ask you this, what does it do to women then?
- Interviewee:** Women, I think it doesn't do anything, but maybe make them look more feminine or something.
- Moderator:** Okay. Wow. I have to look into that one. That's definitely something to look into.
- Interviewee:** Phytoestrogens.
- Moderator:** Okay. So let's talk about this.
- Interviewee:** Okay.
- Moderator:** So how does it feel to know... Steve, can we go to the next slide? How does it make you feel to know that plastics are really made from fossil fuels?
- Interviewee:** [inaudible 00:20:17].
- Moderator:** It's made of petroleum and petrochemicals. It's not made of estrogen.
- Interviewee:** [inaudible 00:20:23].
- Moderator:** It's not made of estrogen. It comes from oil.
- Interviewee:** Mm. Oil's blood.
- Moderator:** Why do you say that?
- Interviewee:** It's blood of old battlefields.
- Moderator:** What'd you say? Say that again.
- Interviewee:** It's blood of old battlefields.
- Moderator:** Oh, blood of old battlefields.
- Interviewee:** Yeah.
- Moderator:** Can you explain that?
- Interviewee:** Not without having something like a month long lecture or some shit come out of my mouth.
- Moderator:** Okay. So it's not estrogen, because it's oil that makes plastic. That's how you... It's petrochemicals. It's chemicals derived from oil. So the same exact thing that you put in a car to run is the same exact thing that is used to make plastic. Do you think that there's plastics in the food that you eat?
- Interviewee:** Yeah.
- Moderator:** So a recent study indicates and it's coming from the same source, that an average person in the United States eats several pounds of plastic a year.
- Interviewee:** That wouldn't surprise me.
- Moderator:** Okay. It doesn't surprise you. How do you think the plastics get in the food?
- Interviewee:** I think it's like little bits that come off of a plastic.
- Moderator:** The little bits. Okay. So there are little bits of plastic, you're correct-
- Interviewee:** [inaudible 00:22:07] gradually breaks down and little bits come off.
- Moderator:** That's right. It breaks up, but it doesn't go away.
- Interviewee:** What?
- Moderator:** Okay. We're almost done. We're almost done. We got 10 more minutes, and then I'll let you get back to whatever you're doing. Okay. So you talked about the plastic and the little bits. So scientific researchers are trying to define this term better so that it's more accessible to everyday people so that they can educate them on plastic. So the term particulates is used, but there's also another term called microplastics. What do you think is more identifiable with those little bits of plastic? Would it be particulates or-
- Interviewee:** I guess microplastics.
- Moderator:** Microplastics. Okay. Okay. Good. All right, let's continue. Now. I'm going to need your attention in terms of some policy proposals that are being generated. They're kind of generating through the Virginia legislature and we're going to talk about five ideas and then we're done. Okay. The first one

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is the bottle bill. You remember talking about cryptocurrency and trading it for the bottles, or plastics that you kind of generate or something? So a bottle bill, do you know what that is? Do you know... It's kind of like a deposit system.

Interviewee: No, I've never heard of it.

Moderator: You don't know what... Never heard of it. Okay. So let's go to the next screen, Steve. Okay. So if you could read your screen and I'll help you along, it adds a deposit of five cents or 10 cents to the cost of bottled drinks, which is glass bottles and cans. So what that does is it incentivizes people to buy glass and metal, because it's recyclable. So they trade in those bottles for money and you would get the deposit back when you return those bottles and cans, glass bottles, or aluminum cans, metal cans to a store or a redemption center. And that helps.

Interviewee: I think that crypto would make it fun for people.

Moderator: Okay. So we would have to add crypto to the currency that's used, not just money, not just regular US currency, but also crypto.

Interviewee: You would have to come up with your own coins.

Moderator: Okay. Okay. Okay. Good.

Interviewee: [inaudible 00:25:08].

Moderator: Like a token of some sort that you can exchange for either crypto or-

Interviewee: Yeah.

Moderator: ... US currency-

Interviewee: [inaudible 00:25:15] or whatever for bottles.

Moderator: Okay.

Interviewee: The coin would have to be worth something hefty like maybe 50 or 100 [inaudible 00:25:23] coin.

Moderator: Would you mean crypto?

Interviewee: And that's just what [inaudible 00:25:25] people to send it as though.

Moderator: Okay.

Interviewee: [inaudible 00:25:25] based on what they do spend it [inaudible 00:25:31], in first place, you just tell them a rate to start at and...

Moderator: Okay, well, the rate is US five cents or 10 cents. But in crypto, I wouldn't know what the going rate is for crypto. Well, what would you put on for crypto?

Interviewee: I'd say about the same value, but in whatever the coin was.

Moderator: Okay. So it would be the equivalent of five or 10 cents. Okay. All right. Great. Okay. All right, let's go to the next one. Would you support something like that then?

Interviewee: Oh, yeah.

Moderator: You would support that. All right. Awesome. All right. We're going to go to the next one. This one is called producer pays and it requires manufacturers who create and use plastic packaging for their products to help pay the cost of recycling pickup and processing in local communities, which reduces the burden on the taxpayer. So in other words, that milk, that glass-

Interviewee: I got it.

Moderator: That plastic gallon of milk, or that plastic bottle, whoever makes that, the manufacturer of that, is the one that needs to pay because they're the ones producing all the plastic. So they should be the one to pay, which incentivizes them to either go to glass, or something that's more recyclable, like a car... Instead of using a plastic car... A gallon of milk, they could use a gallon of carton, like a carton packaging, or glass packaging, or metal packaging, which is easier to recycle. And it doesn't get into the-

Interviewee: Well, plastic, it made the world a lot safer too. Maybe we should do something like have a laboratory working on flexible glass or something as a replacement for plastic.

Moderator: That's a good idea. So some kind of flexible glass.

Interviewee: Yeah.

Moderator: Okay. We should do that. Okay. Okay. So how much do you support this idea?

Interviewee: I support this idea a lot. I'd vote for it even if I knew where and all that.

Moderator: Okay. Okay. You ready for... Okay. So we can wrap this up, Steve? Let me see. Okay. We're going to... Okay. We are done. So John, we're going to get you a \$50 Amazon gift card in your email. So

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just watch your mail and since we got your permission, we're just going to take a little snapshot of the video that we took today and use it as a part of our study. Your last name will not be used.

Interviewee: Okay.

Moderator: All right. Well, thank you so much, and I hope you have a wonderful day and thank you again for being flexible with us.

Interviewee: Well, thank you. Thank you.

Moderator: All right. Well, take care. Have a good Saturday.

Interviewee: Okay, you too.

Moderator: All right. Bye. Take cares, John.

Interviewee: Bye.

[END]

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Moderator: Oh, we are going to be recording.

Interviewee: No problem.

Moderator: Only because we have to write a report. We've been talking with other people around the Virginia area as well as others. But I just want you to know that it's not going to be something that we're going to publish publicly with your name.

Interviewee: Right.

Moderator: However, the client is asking if they can include a snapshot of you like if we screen freeze-frame part of this interview, they want to add it in the interview. I mean in the report, but your last name will not be used.

Interviewee: That's fine.

Moderator: That's fine? Okay, good.

Interviewee: Yeah.

Moderator: Okay. We always like to make sure that you are fine with it, but it won't be used for anything else. If they do, they'll contact you and they'll ask you, "Hey, could you be a spokesperson?" Or something like that. Anyways. It's about 45 minutes. So I'm going to try to ask you all the questions. We should be ending a little bit before seven. Maybe earlier. Depends on you, of course. If you want to go on longer, I'm here for you. And you will receive a \$50 electronic gift card at the end of the interview. Which is always good.

Interviewee: Right.

Moderator: You're giving your opinion. You get free money. I wish I could do that. Okay. So do you... Steve from OpinionWorks is on the line here. He's going to be showing us some screens.

Interviewee: Okay.

Moderator: I'm going to be talking with you. I don't take notes. I talk with my hands, you know how we are. So, with that said, do you have any questions for me before we begin?

Interviewee: No, not really. I understand everything, so I'm ready.

Moderator: You're ready. All right. So let's get a little snapshot of your life. Just a little bit about yourself. Where do you live? What city do you live in? Who do you live with? And then do know just a little snapshot of your typical day.

Interviewee: Okay. Well, my name is Edgar. I'm 24 years old. I live in Alexandria, Virginia. Currently, I live here in Alexandria with my parents and my wife and one-year-old daughter.

Moderator: Oh, cute. So you are a young family? Just getting ready for the world, huh?

Interviewee: Yep. Yeah. Well, we just started our family, well, a little bit over a year ago, and married for almost three years. Right now, my wife and I are going to school online and trying to get our degrees. And-

Moderator: So, your parents are a great support for you?

Interviewee: Yeah. They're [inaudible 00:03:29]

Moderator: Especially since you're studying. And, now that you have this grand baby, they must be going nuts with her.

Interviewee: Yeah. They're so amazed and fascinated with her that it's been a blessing for all of us. So it's been [inaudible 00:03:43].

Moderator: Wonderful. And what are you studying?

Interviewee: Right now, I'm studying... The degree is called Applied Technology and covers... Right now it's like a vast range of different types of fields. And I guess in IT and I have a desire to pursue a career in IT and find my place where I would do best and where I would fit in best.

Moderator: Oh, well, I wish you the best of luck. I know you're going to do great.

Interviewee: Thank you.

Moderator: Okay. So what we're going to do today is we're going to look at some images. We're also going to look at some words related to the topic of the survey that you took about plastics and the environment, and then we're going to see how you feel about it. And then it's just going to be things show up on the screen. Steve is going to share desktop. And then we're going to just talk about what's there. And then that's it. And then \$50 is in your email.

Interviewee: Perfect.

Moderator: Okay. All right. Steve is sharing his screen. Now, can you see the images on the screen, Edgar?

Interviewee: Yes.

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- Moderator:** Okay. Now, first question. How could you describe this? What you're seeing. Just throw me out words or phrases that what you're seeing, what is it?
- Interviewee:** Well, what comes to my mind is, I guess, waste and that builds up over time specifically with things that have been thrown away and not put in a proper place. And just a slight buildup is what happens. We are used to seeing when we're done with our day, probably have one or two different types of waste. And here is the evidence of what happened.
- Moderator:** It's building up?
- Interviewee:** Right? Yeah. This is building up and it's what happened when it accumulates. And this is how these images are.
- Moderator:** And nothing gets done with that?
- Interviewee:** Exactly.
- Moderator:** All right. So now that you've described it to me, tell me how it makes you feel. What emotions come up?
- Interviewee:** I would just say sadness and probably a little bit of disappointment looking over.
- Moderator:** In who and in what? Disappointment and in what?
- Interviewee:** Well, because this doesn't come naturally. So it probably comes from us talking about us as people in general.
- Moderator:** Humans?
- Interviewee:** Yeah. And this is the results sometimes what happens when certain actions are not taken and this is the end result.
- Moderator:** So sadness, disappointment... Any other words that may... Any other feelings?
- Interviewee:** Oh, maybe... Well, regretfulness.
- Moderator:** Regretfulness. Okay. Tell me about regretfulness.
- Interviewee:** So, ever since I was little, we've been taught about recycling or taking care of our environment, taking care of the earth and there's maybe some time where I felt I could have done better. Self-reflecting because my actions are the ones I can control and that's a little part of what I see in the images as well. It might not be for the whole of it but-
- Moderator:** How am I contributing to this damage or situation? Okay. That's wonderful. We're going to look at a list of words that describe what we're seeing here. And I want you to tell me which of these seemed the most serious to you and why? You can give me 1, 2, 3 of the most serious sounding ones.
- Interviewee:** So one that stood out to me was plastic ocean pollution, is one that stood out, and probably ocean litter. Well, mostly for the words litter and-
- Moderator:** Ocean? Litter ocean.
- Interviewee:** Ocean, specifically in both words makes you think about that specific place and-
- Moderator:** Okay, so let's talk about for the first one you chose plastic ocean pollution. Why was that your top choice as the most serious sounding?
- Interviewee:** Right. It just sounds specifically what... Instead of thinking of a range of different things that it can include, is specifically targeting what it says, plastic ocean pollution. So you can't deviate from what you think of-
- Moderator:** So it's the most definitive, most accurate representation of the images that you saw?
- Interviewee:** Correct. Yeah.
- Moderator:** Okay. And what else... Okay, let's talk about ocean litter. What does ocean litter connote? What does it res... What are the things that come up to your mind?
- Interviewee:** So immediately you think of litter is exactly what you think in your mind. Someone with trash and just throwing it on the ground and then ocean. You just think of it... We're not living over the water, but it's like if we're doing the same thing on the ocean and so-
- Moderator:** Okay. So we're doing-
- Interviewee:** But that's the same thing.
- Moderator:** ... the same thing that we're doing on land, but it ends up in the ocean?
- Interviewee:** Right.
- Moderator:** Okay. So, what's the difference between litter and pollution then? I'm trying to determine, which is the more serious sounding one. Between litter and pollution, which of those two sound more serious if you were to choose one?

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Interviewee: Clearly honest, I would probably choose pollution would be more serious just because you think about pollution, you're not just describing littering, is just actually throwing some trash on the grounds which you think-

Moderator: On the ground and that's it?

Interviewee: Yeah.

Moderator: Okay.

Interviewee: Yeah. Pollution is like the effects of what happened due to that. And you think of...

Moderator: So, pollution is the effect of littering?

Interviewee: Yeah. Yeah.

Moderator: Which is what?

Interviewee: I just think of a negative impact on our surroundings and where we live and where we breathe and what goes on around us.

Moderator: So, pollution affects your air. It affects your environmental surroundings. Okay. Wonderful. In the survey that you took, I'm going to show you what everybody else chose like yourself. So look at the top mark, it's the same one you chose as the first one, plastic ocean pollution in the survey of Virginians like yourself. Second one was plastic pollution. Third was ocean litter, which was your second choice. Why do you think plastic ocean pollution came out on top just like you chose? Because we asked a whole bunch of people.

Interviewee: Right.

Moderator: I believe it's about a thousand people that took this survey representative of the population in Virginia. Why do you think it came up almost 48%?

Interviewee: Well off the top of my head is from what I was saying before, very specific and it just makes us look and see the responsibility of what happens. Plastic ocean pollution. And what's the effects of what happens when-

Moderator: The effect of our actions, right? Like you said earlier. Okay. All right. So let's go to the next slide. Plastics in the ocean, where do you think plastic in the ocean comes from? You said earlier it as a result of our actions. So how does it get there?

Interviewee: Well, some examples that come to mind is, there are many shores that people can walk across and they do whatever activities they're doing there, but they bring things with them and there's the quickest place to dispose of their trash.

Moderator: So beach goes, people that are near the water on the beach, they just go to the beach, but they don't clean up after themselves?

Interviewee: Right.

Moderator: And that's the result of it?

Interviewee: Right. Or it could be also people or places that accumulates plastics in some way or attract way-

Moderator: And it escapes. It goes into the ocean?

Interviewee: Yeah. Yes. It escapes and goes into the ocean.

Moderator: Okay. So, here's a factoid. When I do this, this is my factoid dance. So factoid number one, would you be surprised to know that about 80% of the plastic in the ocean, and I'm reading this, comes from inland sources, not people on the beach, but people in cities and towns inland?

Interviewee: Wow.

Moderator: Litter by the roadside. Have you been ever driving and you see somebody throw something out of their car?

Interviewee: Yep.

Moderator: That ends up in the ocean.

Interviewee: Wow.

Moderator: Overflowing trash cans, cigarette butts, balloon releases. Have you seen people release balloons because of someone died, it was a memorial or a gender reveal or whatever?

Interviewee: Yeah.

Moderator: Balloon releases and food and beverage containers, something like from a fast-food restaurant. Inland 80%. So those pictures that you saw, 80% of that was generated, was disposed off incorrectly, way inland.

Interviewee: Wow.

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- Moderator:** So thinking about that factoid, and this is from the National Oceanic Administration, the same people that predict hurricanes, this is their study and this is what they found. They've traced it. Where does it come from? How does it get there? And it could be even hundreds of miles away. How does that make you feel?
- Interviewee:** Surprised and... Seeing as though technically here we're closed, but not immediately closed. So it really makes you think that we're part of that 80% and in here and where we are in the city. So, makes you more aware of where you truly are or where this is actually happening. So that's what it's done right now for me.
- Moderator:** Okay. What makes you think about plastics floating in the ocean then? Like that factoid, how believable is that now that we've presented it to you and that it's from an agency that monitors the oceans?.
- Interviewee:** I think it's really... Well, from hearing that it's makes it more believable and makes it more, I guess, accurate in terms of the reasoning or why this has been happening. And-
- Moderator:** In other words, would you change your behavior or encourage others to say, "Hey, don't throw that in there because you know that can, or that plastic-
- Interviewee:** Completely.
- Moderator:** - that plastic container is going to end up in the ocean?
- Interviewee:** Completely. Yeah, so much more than probably 20, 30 minutes ago.
- Moderator:** Okay. In your lifetime, have you ever thought about this before? About plastics in the ocean?
- Interviewee:** It's probably been in the back of my mind but never a daily priority.
- Moderator:** Let's say you and your family want to spend a day at the beach. Have you ever seen litter, pollution like that at the ocean on the side of the ocean when you visited before or even the river? Have you seen those kind of scenes before?
- Interviewee:** Yes.
- Moderator:** And how does that make you feel when you see that?
- Interviewee:** It makes me feel bad inside. Makes you feel a little uncomfortable. When people think of the ocean, think of something beautiful or something that's supposed to be a really great site to see. And that's definitely not what you want to see when you look at the ocean-
- Moderator:** When you travel.
- Interviewee:** Or when you go into places where you want to see something nice or beautiful.
- Moderator:** Yeah. Okay. Okay. All right. Let's go to the next slide. Okay. So, here in this slide, I'm going to explain it. You see those two red arrows?
- Interviewee:** Right.
- Moderator:** So, we've connected through the National Oceanic Administration that 80% of the plastics in the ocean are directly related to inland human activity from litter. But look at how people rated this. So the question was in terms of the seriousness of problems. So obviously, inflation and the cost of living right now is on everybody's mind. That was number one. Number two was plastics floating in the ocean. But then if you look at that second arrow below, trash and litter in the community was last. So, what we're trying to understand is, if plastics floating in the ocean is so important to you or you consider it a very serious problem, then why is trash and litter in your community, the least most important problem? What do you think is the disconnect?
- Interviewee:** Probably just the distance. I guess, in my mind, just the distance of... You see trash and litter every day. And I guess it become less sensitive to that as the more we see it and then compared to seeing [inaudible 00:20:27].
- Moderator:** So, you're not thinking about it that much because the litter in your neighborhood is everywhere. So you're not even thinking about that. That 80% will go into the ocean.
- Interviewee:** Right.
- Moderator:** You're not thinking about that, because you're seeing it here on land. How could it get there?
- Interviewee:** Yeah.
- Moderator:** How do you think it gets there now? Now thinking about it, now that you know a little more, you said it was people at the beach?
- Interviewee:** Right. When it gets collected and then from there, where it's getting taken to and what's being done with it. I guess it has to do something with, from there to where it ends up in the ocean, because the only way to take it there.
- Moderator:** So the garbage collectors and recyclers, aren't doing a good job at doing that?

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- Interviewee:** Right. Because we wouldn't have gotten that statistic of 80% if it had been dealt with better than-
- Moderator:** If they did a better job at picking up trash, we wouldn't have 80%?
- Interviewee:** Right.
- Moderator:** Okay. Why do you think trash in the ocean is more serious versus the land? Why is that one more important? Why do you think people chose plastics floating in the ocean as a very serious problem?
- Interviewee:** What comes to my mind is just the life that is in the ocean. The different fish and marine life that is there that doesn't benefit at all probably from trash or plastic being in the ocean. Whereas I guess in trash, if you see or hear about it on the ground, not specifically trash, but different peels or different... You would think, "Oh, it'll go into the ground in some way."
- Moderator:** Like, "Oh yeah, that's biodegradable."
- Interviewee:** Yeah. Just that immediate thought is what would go through my mind. And I guess that's what go through a lot of other people's mind. And then you would think about the ocean. It's like, "Well, nothing benefits that at all." And visibly is a lot bad to see anything.
- Moderator:** Okay. There was some concern about chemicals and toxins in the environment and plastics and toxins in human food that was listed. So that was third and fourth. Let's talk about plastics and toxins contaminating human food. Are plastics getting into our food supplies, the humans food supply?
- Interviewee:** Yeah. I would say so. I've heard about that recently actually, and how different plastics and what comes off of it and how it negatively affects what we intake. And it seems like it'll be damaging to our bodies and in general to us as humans.
- Moderator:** Okay. What do you think plastic is made of? What is it made of?
- Interviewee:** Plastics, in my mind just... What comes to mind is just a reusable material that we get and that when combined with, I guess, other chemicals or ingredients are to save in that way.
- Moderator:** Well, you're almost right. You're almost right. But here is the factoid. How does it make you feel to know that plastics are made out of petroleum or petrochemicals? So the same chemicals, the petroleum that you put in your car makes plastic?
- Interviewee:** Oh, really impresses me in a way that I feel.
- Moderator:** In a good way or a negative way?
- Interviewee:** Probably a negative way.
- Moderator:** Okay. Why is that?
- Interviewee:** So I just go back to that smell that I get when I put gas in my car and maybe something gets on the other part of the car when you're dealing with it, you get that smell and it doesn't feel good at all. And I just think of plastic that surrounds the house or everyday use. That's what comes to mind.
- Moderator:** Yeah. So, essentially they just convert that the petroleum, the oil, whatever comes out of the ground into a petrochemical that eventually is molded into plastic. And then another part of that process fills your gas tank.
- Interviewee:** Yeah.
- Moderator:** But it's the same thing that comes out of the ground. It's oil.
- Interviewee:** Yeah.
- Moderator:** Okay. Do you think that there are any plastics in the food that we eat?
- Interviewee:** Thinking about it now. Yeah, there probably could be.
- Moderator:** Let me tell you factoid. A recent study indicates that the average person eats several pounds of plastic a year. Several pounds. Is that a surprise to you?
- Interviewee:** Yeah. That's a big surprise, to be honest.
- Moderator:** How does that make you feel
- Interviewee:** Kind of groggy or-
- Moderator:** Kind of what?
- Interviewee:** Kind of groggy, sorry. Or sick a little bit. Just to think about it. You just imagine yourself biting plastic and eating, and that doesn't feel right or good at all.
- Moderator:** Does any of what we just talked about motivate you in any way to take actions with regards to your use of plastic in your everyday life?
- Interviewee:** Yeah.
- Moderator:** Well, what kind of things?
- Interviewee:** Well, one is to make sure I take better care of what goes on with the plastic that [inaudible 00:27:57].

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- Moderator:** Especially for your daughter, let's say. You don't want her consuming pounds of plastic a year, right?
- Interviewee:** Not at all. Yeah. Taking any action necessary and being more aware of the plastic that goes around here and disposing it correctly and making sure we're as protected as possible from having those toxins that possibly are damaging to ourselves and trying to avoid any problems that it could cause.
- Moderator:** Okay. So here's another factoid, but I want you to give me the better name of the two. What should we call the little bits of plastic that are found in the environment when plastic breaks up, but never completely goes away? And by the way, plastic never goes away. It breaks up, but it doesn't disappear. It doesn't degrade into the ground. It doesn't do any of that. It just takes another form. There's two terms. And I want you to tell me which one describes that. There's one term that's more used in everyday language and another one that's more in the scientific world. The first one is particulate. The second one is microplastics. Which of those two terms would you use to define that kind of plastic that we ingest accidentally or that's in the air or in the water or all around us?
- Interviewee:** I would've to say microplastics.
- Moderator:** Okay.
- Interviewee:** Just because in my mind, plastic- I just immediately think of a water bottle, a plastic water bottle, and microplastics, just being little bits and parts of those that as you say, don't go away or completely go away. Just thinking about that as we're eating or taking a bite of food, little bits of those that are in there, that we ingest.
- Moderator:** Okay. So now we're going to go to the next section. But before that, this has to do with public policy, enacting laws in our local government, state government, or even federal. How involved are you with like current events and things that are happening? Do you vote? I'm not going to ask you for who, but are you connected? Do you feel any inclination, one towards the other? Are you independent? How do you define yourself in that way?
- Interviewee:** I would say I'm in between. I would just say I'm beginning to connect to the opinions that are going around or the policies that are being in place and the news and it's something I'm starting to get into. I would have to say.
- Moderator:** Okay. So, if there were an election today, who would you vote for?
- Interviewee:** And you mean a party or affiliation?
- Moderator:** Anybody? Yeah. A party affiliation, or a particular candidate. And no judgment zone here.
- Interviewee:** Right, right, right. Technically I would lean towards like Conservative Party or the Republican Party and just those ideals and the policies that would be in place.
- Moderator:** But a lot of Republicans don't believe in this kind of work.
- Interviewee:** Right.
- Moderator:** The recycling and cleaning up the environment... So how do you... You're like a swing voter then, Edgar, is that right?
- Interviewee:** I would probably say so. Yeah.
- Moderator:** You're a swing voter because you lean towards... Now that you're hearing about this stuff, you want to do something about the environment, but I guess ideologically, you like more the conservative side of things. Is there any issues that make you go towards that?
- Interviewee:** Not specific things in general. Just thinking in general in my ideas of how I feel that I am. I would try to be protective in a way of certain things that go on and it's just a general mindset, I would say. It's not like I'm cemented in that. It's just something that's just based on my-
- Moderator:** You lean and you are still testing the waters. Okay. That's fine. All right. Now let's go into public policy. Now the first one is something that's called... We're titling it The Bottle Bill. Have you ever heard of a term called The Bottle Bill before?
- Interviewee:** No.
- Moderator:** Okay. I'll tell you what it is. And here it is. It's adding a deposit of 5 cents or 10 cents to the cost of bottled drinks. So it would be glass bottles and metal cans, or it could be plastic as well or carton. Anything that's up like an individually packed item or family size item. You would get the deposit back when you return the plastic aluminum or glass bottle or can to a store or redemption center. What are your thoughts on this?
- Interviewee:** Well, I guess in a way I would just look at this and think, "Oh, well, that's creating a system of... Gives in a little incentive in a way to whatever bottled or individually bottled item you have to collect them and return them to those centers and get something in return."
- Moderator:** Okay. So, it's an incentivization program. And is there a better way to call this program? Or could we still use this term? Can you come up with a better one, a better name?

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- Interviewee:** Other than return bill, which is the only thing that comes back in my mind.
- Moderator:** Bottle return bill?
- Interviewee:** Yeah.
- Moderator:** Okay. Okay. All right, let's go to the next one then. Okay. Again, we could change the title. Producer pays. So here is the description. Requires manufacturers who create and use plastic packaging for their products to help pay the cost of recycling pickup and processing and local communities, which reduces the burden on taxpayers. How does that appeal to you? How much does it appeal? So in other words, your Coca-Colas, Nestle's Lee, milk producers, your bottled waters, soft drinks, energy drinks, anything that's packaged in a store, whether it that uses plastic, they pay for the recycling, not us.
- Interviewee:** Oh.
- Moderator:** Because it's their product.
- Interviewee:** Right.
- Moderator:** What do you think of that? So it puts the burden on them.
- Interviewee:** Yeah. Well, in a way, it would be that little bit more motivation to know that they're providing that part of the deal between provider and the consumer with those responsibilities of the collecting and the pickup and not on us. So which in a way would make us think, "Oh, they're doing the right on this topic."
- Moderator:** So, if they participate in this program, the company will look better in the eyes of the consumer.
- Interviewee:** Yeah. In the general eyes of the consumer.
- Moderator:** So they can spend this? It's not necessarily a bad thing like, "Hey, we're helping the environment. We're paying for recycling."
- Interviewee:** Right.
- Moderator:** Do you think it would deter manufacturers from using plastic instead? Like, "Okay, well now we have this law, that's going to cost us the manufacturer a lot of money. Let's use glass or carton or metal."
- Interviewee:** Yeah. To those that do are the manufacturers. And it would be like, "Oh, this is something that is a law." So they would have to follow. So it would try to-
- Moderator:** Would you vote for something like that in your leaning conservative sort of way?
- Interviewee:** Right. I would. I would.
- Moderator:** Okay. All right. Let's go to the next one. Okay. So this one is called reduced packaging- reduced plastic packaging, sorry. It requires manufacturers to use less plastic in product packaging. Let me read that again. It would require manufacturers to use less plastic in product packaging. So instead of putting the entire burden on the manufacturer, this one says, "Hey, in order for you to do business in the state of Virginia or in the City of Alexandria, you must not use X% of plastic in your packaging. How does that sound to you?"
- Interviewee:** In the way changes how manufacturers would look at using plastic and then us buying or seeing this being instituted as something that would make you think, "Why or how would this benefit either us or them based on what they have found on the plastic packaging and how would they use it?"
- Moderator:** So would you support it?
- Interviewee:** Well, from what I see of what happens with plastic, I would support it.
- Moderator:** You would support it-
- Interviewee:** Right.
- Moderator:** Because you saw the effects of it in the plastic ocean pollution?
- Interviewee:** Yes.
- Moderator:** Okay. Let's go to the next one. So you may have heard of this one, the single use plastic bags?
- Interviewee:** Yeah.
- Moderator:** Okay. And this one places, a 5% fee on single use plastic bags to discourage their use so that people choose paper or reusable bags instead. Another proposal similar to that would be to ban single-use plastic bags. So it would ban single-use plastic, grocery, and shopping bags and require paper or reusable bags instead. So regardless of the fee, it will take it away completely. Or you have to pay to use a plastic bag. What do you think of these?
- Interviewee:** So, going for just personal experience, the 5 cent fee, the single-use plastic bags has discouraged their use. In a way, just personally, has changed of how much plastic bags I've used. I know in general, five cents is not a lot when you really think about it, but just that little fee discourages its use.

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Moderator: It could add up.

Interviewee: Yeah. And it has changed instead of maybe using four or five, I would just do one or two, or even if I brought my... It would then encourage me to bring my own and use them.

Moderator: So the 5 cent fee has changed your household behavior?

Interviewee: Yes. Definitely yeah.

Moderator: Okay. So you're bringing bags to the grocery store?

Interviewee: Yeah.

Moderator: Okay. Okay.

Interviewee: And if they're on certain occasions, when I'm either coming from work or anything, and I don't have a bag with me, I would try to use as less bag as possible instead of more than usual.

Moderator: Okay. So that's positive or negative?

Interviewee: Positive.

Moderator: Okay. Okay. All right. And so the difference between the ban... So, what about banning it all across the board?

Interviewee: I...

Moderator: Does this sound like you're crazy about it then?

Interviewee: Right.

Moderator: Because you're thinking about it, but you're not crazy about banning it completely.

Interviewee: Right. And I would just say on occasions when... I say there's not me personally, because where I live as an apartment complex with an elevator, but for people that go to a store and sometimes forget their bags and every time they would forget the reusable bag, they would have to buy the reusable ones and just have to carry always.

Moderator: So, there's an extra inconvenience there? If you didn't forget?

Interviewee: Right. Just one, yeah. Just for those specific time. But other than that they would eliminate completely those extra plastic bags that are used. They might not even worry about the 5% fee. They would still continue the same behavior. This would take that completely off without giving them a choice to do it or not.

Moderator: Right. Okay. Let's go to the next one then. Okay. This is polystyrene and you've seen them as food containers, beverage containers also known as Styrofoam. That's a brand name. And here's this rule that is the proposal. It's banning polystyrene or foam takeout containers and giving restaurants two years to find alternatives. So if this passes, it gives them until 2024. Let's say, if it enters today, they will have until May 15th or May 16th, 2024 to go towards carton, paper, glass, or metal packaging. What do you think of this idea?

Interviewee: In my mind that would make sense in terms of-

Moderator: Do you know what it's made of? Do you know what polystyrene is made of?

Interviewee: No. Not specifically. No.

Moderator: Well guess what, it's the same exact material that plastic is made of. From oil.

Interviewee: Oh wow.

Moderator: It's from a fossil fuel. From petrochemicals.

Interviewee: Right. I'm thinking about that now and trying to see the... With the bags, trying to lessen the use of the plastic bags, this would also be a good thing. And especially with the two years to find alternatives... There's a lot of different ways that they can find alternatives. And this is something I guess in the way would... I would be less hesitant to not support in a way.

Moderator: Do you think we should give them a longer time?

Interviewee: No, I think that's a good time.

Moderator: Two years is a good time?

Interviewee: Yeah.

Moderator: To get a restaurant to trade over. So, if you were in the voter booth, would you vote for this proposal?

Interviewee: Yeah. Yeah.

Moderator: Okay. Well then that is it. Edgar, you did a great job. You'll get \$50 Amazon gift card later today. And it is asking if we can have your photos. So are you okay with just using a snapshot from the session today?

Interviewee: Yes.

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Moderator: Okay. Thank you so much, Edgar. I hope you have a wonderful rest of the spring and summer and congratulations again on your baby girl.

Interviewee: Thank you so much.

Moderator: All right. Bye-bye Edgar.

Interviewee: Bye bye. Thank you.

[END]

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Moderator: The interview [inaudible 00:00:13]. Okay. Oh, it sounds like you have it. It sounds like you have it. There's a little echo there, but okay. But we'll begin. OpinionWorks is an independent market research firm, as you could see, Steve Raabe from OpinionWorks is on the line. I work for OpinionWorks and this is what we do all day long, talking with people on different topics and subjects, either in person, through Zoom or through surveys. And recently you filled out a survey regarding plastics, the environment, that sort of thing that are in the Virginia area where you live. And so there are no right or wrong answers, this is just an informal conversation. I do have a list of questions that I have on my screen on this side. So if I'm looking this way, that's what I'm looking at. And we are recording this session only because we have to write a report at the end of this study. And we're talking to quite a number of people in the Virginia area. I talk a lot with my hands. I'm not taking notes. Steve is going to be running the slideshow. He's not going to be taking notes. So we read the transcripts, we also go back and maybe catch some snippets of each recording to use those results in our report. But our client has a special request, if it's okay with you, would it be okay to use a little snapshot of this session today in their report, your last name will not be used. So it's just you and me in a little snapshot together for the report, if that's okay with you. If not, that's fine too.

Interviewee: Is it to be shared with anyone else or [inaudible 00:02:18].

Moderator: It's just a report that's going to be published and available to, let's just say government entities, government agencies that take care of the environment like the National Oceanic Administration, those are the people that report on hurricanes. The Environmental Protection Agency, which has to do with protecting the environment in our country.

Interviewee: I'm just [inaudible 00:02:55] government agency you're talking about.

Moderator: I'll explain which one. So the EPA and the National Oceanic Administration.

Interviewee: Okay. Yeah, that's fine.

Moderator: Okay. All right. Thank you. Thank you. All right. We always like to let everybody know just in case, and we do need some kind of permission. Now, if they want you to be a spokesperson or something, I'm sure that they'll get in touch with you about that. Okay. So anyways, this interview's about 40 minutes. It's a quick, back and forth. I'm going to ask you some questions. We're going to look at some screens and then I'll get your reactions to it.

Interviewee: Okay.

Moderator: And at the end, you'll get a \$50 electronic gift card emailed to you, which is awesome. Very easy money. And then before we begin, do you have any questions?

Interviewee: No.

Moderator: Okay. Okay. Thank you. All right. So first off, tell me a little bit about yourself. What city do you live in? Who do you live with? And then a little run through of your typical day.

Interviewee: I am in Virginia, Northern Virginia, in Ashburn, Virginia. I guess we're the pure datas of the world because 70% of our internet comes from this area. I live with my husband. I have three boys. And what was the other thing you said?

Moderator: Oh, a little snapshot of your typical day.

Interviewee: Oh, I am a stay-at-home mom, so I get my [inaudible 00:04:40] ready in the morning and then get ready for lunches and what, I pick them up, bring them home lunches because of COVID we're being a little more safe. Because I had child at home and then I pick them up dinner, eat it and then I come and do an interview with you.

Moderator: Okay.

Interviewee: And then [inaudible 00:05:05].

Moderator: Yeah, but that's three boys, I mean, their ages, what are their ages?

Interviewee: They are 12, one is just 10, and 6.

Moderator: Yeah. Busy day. I mean that's a party right there.

Interviewee: It is, yeah.

Moderator: Okay. Okay. So we're going to start and thank you for that. We're going to start, Steve, are you ready for the slides? He'll start sharing his screen in a second. Okay. I just want to make sure you can see the screen. Can you see that? Those images?

Interviewee: Yep.

Moderator: Okay. Describe to me what you see, Helen.

Interviewee: A lot of plastic, a lot of trash. I'm not quite sure what the body of water is, but ocean, rivers. A lot of [inaudible 00:06:10] of plants but just rubbish.

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Moderator: Okay.

Interviewee: [inaudible 00:06:19] as well.

Moderator: Okay. And how do these images make you feel when you see them?

Interviewee: I just feel like so [inaudible 00:06:29], you just have to put it in the right place. You don't have to throw it away willingly into the water and just make it dirty [inaudible 00:06:37]

Moderator: So what feeling is that? Is that frustration? What feeling is that?

Interviewee: Just annoyance [inaudible 00:06:55].

Moderator: Okay. So you're mad. You're annoyed.

Interviewee: Yeah. Not to the point of anger because [inaudible 00:07:07] do what they learn to do [inaudible 00:07:13].

Moderator: So yeah. Annoyance, frustration. Okay. We're going to look at a list of words... Oh, Steve says that the connection is cutting in and out. Would it be okay for you to sign out and then sign back in?

Interviewee: Yeah. [inaudible 00:07:36]

Moderator: It's delayed.

Interviewee: Okay, let me do that.

Moderator: Yeah. You're coming in delayed. So sign out, leave the meeting and then come back in.

Interviewee: Okay.

Moderator: Okay. Let's try that. I'll be here waiting.

Interviewee: Okay. Let me get out of here. Oh, I see the delay.

Moderator: Yeah, press the leave meeting.

Interviewee: Okay, hold on.

Moderator: Oh my gosh. [inaudible 00:08:15] Much better. Okay. So we're going to now look at a list of words that describe what you saw. Out of these list of words, which of these seem the most serious to you?

Interviewee: Um, I'd say [inaudible 00:08:41]

Moderator: You said plastic in the ocean-

Interviewee: How many do you want? So plastic-

Moderator: Give me two or three.

Interviewee: I would ocean trash, plastic pollution.

Moderator: Okay. So we have plastic ocean pollution, plastic pollution and ocean trash. Those are three.

Interviewee: Yes.

Moderator: Okay. So then out of those three, which is the most serious one?

Interviewee: I would say plastic pollution.

Moderator: Okay. Plastic pollution. And why is that?

Interviewee: I think plastic ocean pollution [inaudible 00:09:23] I think the top of those [inaudible 00:09:37] of water. So I would say all in [inaudible 00:09:42].

Moderator: So plastic pollution is more encompassing?

Interviewee: Yes.

Moderator: Okay. You know what, Helen? I think if you turn your camera off, I think we'll be able to hear you better. So turn off your video. Don't turn off your audio, but turn off your video.

Interviewee: Okay. Do I press start a video?

Moderator: Yeah. You know that little video camera on the bottom.

Interviewee: Okay. Yeah. Is that better?

Moderator: Oh my God. The echo is gone.

Interviewee: Okay. Done.

Moderator: Okay, as long as you can continue seeing the screen that's what's important. Okay. All right. So you said plastic ocean pollution, plastic pollution, and ocean trash. And then you said plastic pollution was your more serious one because it's more encompassing.

Interviewee: Right. And all different types of bodies of water because it's not just the ocean that's being polluted, right? It's going to be rivers, banks...

Moderator: All right. Awesome. All right, let's go to the next slide then. Okay. So in the survey that you took recently, this is a list of the ones that people thought weren't the most serious. And we're talking

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about maybe a thousand or so Virginians like yourself, plastic ocean pollution came up on top, 48%. Plastic pollution, 35% chose that as a serious one. So seeing this list, do you see what makes sense to you? Or, I mean, obviously you chose those top two.

Interviewee: So you're asking me if it makes-

Moderator: Other people agree with you.

Interviewee: Right. I can see how they agree with me.

Moderator: Why would you think people are so concerned about, in particular, plastic ocean pollution?

Interviewee: I think it's so preventable. I mean, I think I said it before, but all you got to do is put it into a recycling bin which are a little bit more prevalent now. Or you just take it home, put it in your recycling bin and hopefully it gets to the right place, who knows, but I would hope that people were more cognizant of where they're putting their trash because it doesn't just disappear.

Moderator: That's correct. Yeah.

Interviewee: But yeah, I mean it is pollution. I think litter is a little bit more blasé of a word. So I would think pollution-

Moderator: So pollution is more serious. The word litter is a blasé word. What about the word debris where you see marine or debris?

Interviewee: When I hear debris, I feel like it's a little bit more not as purposeful maybe, trash is floating away kind of debris, it's not something that people mean to do so to me it's not as bad.

Moderator: Okay. Okay. Yeah. Someone yesterday in an interview said that pollution is the effect of littering and throwing things on the ground carelessly because you're living with the after effect because it's toxic, it corrodes it's... So I see that point that you're trying to make there. How does this trash or this debris or this litter, how does it get there? How is it that the ocean is so polluted? How does it get there like in the picture that you saw, can you tell me how?

Interviewee: I mean, from what I just see in my neighborhood, I see a lot of trash and bottles and cans, beer cans, just in our pond, near our house. And all of that runs off into bigger bodies of water. And I think any kind of tourist places, I see a lot of people not putting things where they should be.

Moderator: So when it rains, it goes down the storm drain and then it ends up in the ocean and in the rivers and then ultimately in the river goes to the ocean. Is that right? Is that what you're explaining?

Interviewee: Yes.

Moderator: Okay. There's also concern about chemicals and other toxins in the environment, especially plastics and toxins in human food. Let's talk about that a little bit here. Plastics in the ocean, would you be surprised, I'm going to do factoids, so would you be surprised to find out that 80% of plastic in the ocean comes from inland sources like you just said. 80%, 80%, like litter by the roadside, overflowing trash cans, just like you explained. Balloon releases, have you ever seen a balloon release like a memorial or something?

Interviewee: Yeah, not recently, but I've heard of [inaudible 00:15:14]

Moderator: Yeah. That ends up in the ocean as well. Food and beverage containers. And now knowing that 80% of it comes from inland, how does that make you feel?

Interviewee: I just feel like we can all do better. And my husband was saying that every day we eat about a credit card size worth of plastic every day, microplastics.

Moderator: Yes.

Interviewee: And I'm just like, Ooh, **I don't want to put that in my body.** And if I was pregnant, I'm not pregnant anymore, but if I was pregnant again or... Knock on wood, I will not be pregnant again-

Moderator: After three boys, girl, I get you.

Interviewee: I'm done there. But I mean, **we are what we eat and we're all interconnected. What we put into the ocean comes back to us,** so we just-

Moderator: Yeah. There's another factoid that's coming up. Well, I just might as well tell you that we eat several pounds of plastic a year, humans.

Interviewee: I can see that.

Moderator: Wow, if I'm eating a credit card, it better be full of money.

Interviewee: Yeah. I wish.

Moderator: Anyways, yeah, we wish, right? All right, let's go to the next slide. So here, we're looking now at a different graph from the survey, but I want you to pay attention to these two arrows. Plastics floating in the ocean is a serious problem, obviously the inflation is number one, but plastics floating in the

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ocean, I want you to point out that first arrow that you see up top. Second arrow says, trash and litter in your community. You just mentioned that.

Interviewee: Yeah.

Moderator: So how do we make these points connect? You see how high plastics floating in the ocean to where trash and litter in your community so low, how do we make this connect? What do you think it needs to be done to help people understand that, Hey, by the way that litter in your community is the plastic that's floating in the ocean.

Interviewee: I don't know what you can do, I mean, because sometimes people just don't care and it's very mind boggling to me.

Moderator: But it looks like they care about the plastics floating in the ocean.

Interviewee: Right. I mean, in my neighborhood, for the most part, people are pretty careful about putting things in the trash, I mean, every once in a while I'll see a bag from somebody just throwing it out the window. But what am I going to do? Chase down the car and tell them to throw their trash away? I can't. I don't know what you can... I mean, people just need to be more cognizant because-

Moderator: What I'm hearing is that, I can't change anything, but something needs to be done anyways. So really more education let's say... Oh my lamp fell. Oh, sorry.

Interviewee: Oh no it's okay. It happens.

Moderator: Here we go. All right. I'm going to be a little bit in the dark here. All right. I think that'll work.

Interviewee: That's fine.

Moderator: Yeah. Post COVID, this is what we got to do... I mean, like a little studio here. Okay.

Interviewee: I mean, I try to do my part. I'm always putting stuff in the trash, making sure whatever can be recycled can be recycled, but I can't...

Moderator: You can't control what other people are doing is what you're saying.

Interviewee: Yes.

Moderator: Yeah. Okay. So let's go back to those microplastics and what your husband said. There's two phrases that I want you to think about. There are some phrases sounding more academic about it. They're called particulates. And then there's another phrase to describe them called microplastics. Which of these two do you think would be better to describe those tiny particles, like your husband said about, that we eat about a credit card a day of... How do we better describe that so that people can understand the problem of these-

Interviewee: I think microplastics is a good way to describe it. It's more memorable and it describes it better, I think, for the common person, I guess.

Moderator: Okay.

Interviewee: Because I even forgot what you... I think it started with a P, now I can't remember, but I remember microplastics.

Moderator: See, yeah. That's what we're looking for. We're hoping that it's something that's memorable. Are there any actions like you said, "I can't control anyone else, but I can control me." So what are the things that you think you would be doing from now on to help minimize your use of plastic in your household?

Interviewee: That's the thing, sometimes if I go out to the grocery store and I need to buy zucchini, it already is in a plastic container. So I can't really control that, but I can see some of the places that I shop at they've been using, what is it? Cardboard instead of plastic so I try to buy that more often, but I think plastics are just everywhere. You can't really avoid it.

Moderator: So the manufacturer or the provider of a certain food, of the zucchini, like you said, wraps it in plastic, you can't help it.

Interviewee: Right.

Moderator: What if we were, we'll talk about that later. I was going to ask what if we asked the manufacturer to wrap it in something else.

Interviewee: We could. I mean, I always recycle it, but I have make sure it's also recyclable.

Moderator: Okay. What do you think plastic is made of?

Interviewee: Synthetic rubbers? I don't know.

Moderator: Okay.

Interviewee: I'm not quite sure. I mean it's [inaudible 00:22:03] but I don't know.

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- Moderator:** What if I told you that it's made out of petroleum fossil fuels because it is. So the same thing that you put in your car is the same thing that they make plastic, petrochemicals.
- Interviewee:** Yeah. It's awful.
- Moderator:** It's awful. Okay. It makes you feel awful. What else does it make you feel?
- Interviewee:** I just feel like there's so many different, I don't know, there's so many different alternatives, I feel, but we just don't use it, like how-
- Moderator:** Safer alternatives.
- Interviewee:** Yes. But I don't know if it was Thailand or some Asian country that was using banana leaves to wrap their produce, which I thought was silly. Yeah. Which was cool because it's biodegradable, but would we do that? I don't know.
- Moderator:** Yeah, yeah. Okay. Okay. All right. Well then let's go now into public policy, policy proposal. So we're going to talk to you about a few proposals that might be considered in Virginia to lessen the impact of plastic. We're going to talk about five ideas and these ideas are proposals that typically would be enacted by either Local Government, State Government, or who knows, even at a Federal level. Okay. So the first one called a Bottle Bill, do you know what a Bottle Bill is?
- Interviewee:** I don't. I've never heard of that.
- Moderator:** Okay. All right. Well, we're going to see the description now.
- Interviewee:** Okay.
- Moderator:** A Bottle Bill adds either 5 or 10 cents to the cost of bottled drinks, bottles and cans so you would get the deposit back when you return the plastic, aluminum or glass bottles and cans to a store or a redemption center. So instead of recycling them and putting them in the recycling bin, you're saving them and taking them to the store or to a redemption center in exchange for money.
- Interviewee:** Yeah. I've heard of that done in other states. I've just never seen it done here.
- Moderator:** What do you think of that idea?
- Interviewee:** I mean, if you're really looking for 50 cents, I guess you'll take it back, but I mean, you'd have to get a lot of cans and bottles to make that worth it.
- Moderator:** Would this be something that maybe you could give your children to do and they could earn the money?
- Interviewee:** I was just thinking that might be nice for them to be excited to do because it adds up and I'll tell them that. But it might be good for people who aren't working or something, but I don't know if everybody would be doing that.
- Moderator:** Okay. Okay. You don't know if everybody would be doing that, but that would be something for people who need the money.
- Interviewee:** Right.
- Moderator:** Okay. So let's say for example, would you save your bottles and cans for someone who does need it and they can pick it up? Or...
- Interviewee:** Yes, definitely, or even if the school would do a program to collect all of these cans and bottles that would be cool.
- Moderator:** So the school as either a donation or a fundraiser type of thing.
- Interviewee:** Yeah. That would be great idea.
- Moderator:** That would be a great idea. Let's do that. Okay. I have a side question. Does knowing that it's made out of petrochemicals, the plastic, does it motivate you to use or limit the plastic that you use in your household?
- Interviewee:** Yeah, I try. I used to actually microwave with my plastic on top of my bowls and someone told me don't do that, you're releasing all those chemicals in your microwave. So I replaced it with my paper towels.
- Moderator:** Okay.
- Interviewee:** Hopefully that's a little bit better. I don't know, but I definitely try to limit plastic if I can. But like I said, sometimes it's unavoidable.
- Moderator:** Yeah, yeah. Okay. Good. All right. So let's go to the next one. Okay. Producer Pays. So this one, and also we can name it something else. If you think it should be called something else after reading the description, please feel free to jump in.
- Interviewee:** Okay.

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- Moderator:** Producer Pays requires manufacturers who create and use plastic packaging for their products to help pay the cost of recycling pickup and processing in local communities, of course, which reduces the burden on the taxpayer. So that zucchini provider who packages their zucchini product in a plastic that is recyclable, they have to pay an extra price to help for the recycling costs. What do you think of this idea?
- Interviewee:** I don't know if that would apply to me as much because our HOA pays for trash and recycling. So I'm not sure if it's any burden on a taxpayer, maybe it'll be helpful in another neighborhood, I don't know.
- Moderator:** Let's say, for example, if election day were today and this was put to the vote, would you vote for something like this even though it doesn't apply to your particular situation?
- Interviewee:** I would wonder how much of that cost they would push back onto the consumer.
- Moderator:** Ah, okay. You would want to know how much that is. It would ultimately save money. Your HOA would save money. They wouldn't have to pay.
- Interviewee:** That's true.
- Moderator:** Which ultimately hopefully will lower your recycling cost that's built in to the fee that you pay.
- Interviewee:** Right. I mean, I would, hey, if it helps me.
- Moderator:** Right. If it helps you. What's in it for me, right?
- Interviewee:** Yes. I agree.
- Moderator:** Okay. Okay. So somewhat positive on this one.
- Interviewee:** Yes. If election day was tomorrow, then I'd be like, yeah, sure.
- Moderator:** Okay, so you'd vote for this one. Okay.
- Interviewee:** Yes.
- Moderator:** All right. Let's go to the next one.
- Interviewee:** Okay.
- Moderator:** Okay. This one is called Reduced Packaging. Okay. And like I said, if you can come up with a better title, we're more than welcome to it. So this would require manufacturers to use less plastic and product packaging. So that zucchini provider, they would wrap it in paper or banana leaf or some other safer to use material.
- Interviewee:** Okay. I'm all for that.
- Moderator:** You're all for that. You would vote for this one?
- Interviewee:** Definitely.
- Moderator:** Okay. Okay. Good. All right. Let's continue. Okay. Single Use Plastic Bags. And this is a two parter. Okay. So one proposal will place a 5 cent fee on single use plastic bags to discourage their use so that people can choose paper or use their own bags, bring their own bags or buy one at the store instead. The other proposal is to ban single use plastic bags. And there's some communities that have done that already, as well as the bag fee, which is to ban single use plastic grocery and shopping bags and require paper or reusable bags instead. So looking at these two proposals, tell me how you feel about them.
- Interviewee:** Actually, I am in favor of both. I don't know if banning anything is ever good just because sometimes that has the opposite effect, but the 5 cent fee I'm all for. When I go shopping, I use my reusable bags anyway, but even paper, that uses up a lot of energy. So is it better than plastic? Some people make that argument that paper could be worse. I don't know. Some people don't recycle that paper either. But I reuse my plastic bags. I use them for my trash can liners and if it's empty and clean, I'll then take it to Giant and put it in that plastic bag recycling place.
- But I don't know. I mean, it has its use, I guess. I don't know if banning it is good. There's pros and cons to banning single use plastic bags because I still use them. I don't like to, but I still will use them and I would still like to use them in the future. But I like the fact that they put the 5 cent fee because... I think reusable bags are fine to use if you remember to bring them into the store.
- Moderator:** Right. It's a deterrence factor here. So either putting it on either as a 5 cent fee or banning it all together to make sure that... It's really to reduce the use of plastic so that it doesn't end up in the ocean, which is where it ends up.
- Interviewee:** Yeah. Okay. But yeah, like I said, I mean there's pros and cons-
- Moderator:** Is there another alternative that you can think of that would be more convenient and that makes sense for your household?
- Interviewee:** I already used my recyclable bags. It's not for everybody, I guess. Sometimes people just forget. So if I go to Lidl or Aldi, I'll see a lot of people grabbing their bags and they'll have to buy the bags anyway,

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which defeats the purpose of banning, I mean, they need a bag. They need to carry it somehow. I don't know. This one's hard for me because I can see why you would want to ban the plastic bags, but people still use them and use them responsibly. I think I use them responsibly. So I don't know about banning them.

Moderator: Okay. Well, here's a factoid, Virginians supported the ban, but not the fee.

Interviewee: Huh? Okay.

Moderator: They would rather ban those bags altogether but they don't support the fee. They don't want to pay the 5 cents. They just want to ban them. They would rather ban them than pay. Why do you think that is?

Interviewee: I think no one wants to be nickled and dimed. That's probably it. But I would, if you can use just paper instead of the plastic bags, that would be even better. I mean, if I go to Trader Joe's, it's only paper. So I like the fact that they do that. They don't use any kind of plastics, but to ban it all together, I don't know, it has its uses. [inaudible 00:34:06]

Moderator: Okay. All right. Let's go to the next one then. Okay. Polystyrene.

Interviewee: I hate those things.

Moderator: You hate those things?

Interviewee: I do. I think they're the worst because they take so long to break down and people never ever [inaudible 00:34:26]

Moderator: It's made of petroleum. It's made of petroleum.

Interviewee: Yeah. And people don't ever use it more than once. They don't recycle, I mean, can you even recycle them?

Moderator: No, you can't.

Interviewee: So you can't. Yeah. I hate those things.

Moderator: Okay. So this is a proposal to ban polystyrene. There's a brand name out there called Styrofoam, you may have heard of it. So ban polystyrene or foam takeout containers and give restaurants two years to find alternatives. So your restaurant owner, or either a local place or a chain has to find an alternative way of delivering their food, takeout or delivery options, not dine in of course because there are some places that you can dine in on those things, but it will ban it all together. So they have to use either silverware, permanent plates or either a harder plastic that's recyclable or some kind of paper or cardboard derivative or glass, I don't know.

Interviewee: Okay. I'm all for banning takeout containers.

Moderator: All right. We're going to take them out, take them to takeouts.

Interviewee: Good. That's good.

Moderator: Okay. So you're all for it. All right. Let's see the next slide. I think that would be the next slide, Steve. Oh, I think we're done.

Interviewee: Are we done?

Moderator: Yeah, I think we are unless Steve has any... Oh, here's a question. Have you ever heard the term Extended Producer Responsibility? It means that the manufacturer is responsible all the way until the product is disposed not when it's sold.

Interviewee: Oh, I think I've heard of that with Amazon because of all of the shipping plastic bags and stuff that they use and people wonder what do I do with this? Because you can't really recycle it, but you shouldn't really throw it away either.

Moderator: Yeah. Like those plastic bubble inner things for shipping. Yeah.

Interviewee: I mean, unless you're going to break it apart, but no one does that either.

Moderator: Right. So what will we call that? Is there an easier way to define that? Instead of the term Extended Producer Responsibility, is there another name that you could think of that could describe that in an easier way?

Interviewee: I like the name that you already have because it encapsulates everything.

Moderator: Extended Producer Responsibility.

Interviewee: Yeah. I actually do like that.

Moderator: Okay. Okay. So you don't want to call it another name?

Interviewee: I don't know what else you'll call that honestly.

Moderator: Okay.

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Interviewee: Yeah. I don't know.

Moderator: Okay.

Interviewee: Sorry.

Moderator: No, that's fine. That's it. We have finished our interview and you will receive a \$50 Amazon gift card in your email today and thank you so very much. And yes you did say that it's okay to use a screenshot from earlier as a part of our reporting. So thank you so much, Helen. I hope you have a wonderful, wonderful day.

Interviewee: Great. Thank you. This was very informative actually.

Moderator: Thank you so much and thanks to your husband as well for those factoids too.

Interviewee: I will thank him for you guys.

Moderator: All right. Take care.

Interviewee: All right. Thank you.

Moderator: Bye bye.

Interviewee: Bye.

[END]