Inspire Local Stewardship with "Chesapeake Behavior Change"

Steve Raabe
OpinionWorks

Management Board Meeting
May 12, 2022

GOALS & OUTCOMES

STEWARDSHIP

The long-term success of the Chesapeake Bay restoration effort will depend on local leadership—and local action that depends primarily on a strong citizen stewardship. More than 600 local conservation and watershed organizations in our region are educating and empowering citizens to restore and protect their local streams and rivers.

Tens of thousands of local citizen volunteers our shared goals. Building a larger, broader, is vital to achieving many of the Goals and C



GOAL: Increase the num stewards and local gover and carry out the consent that achieve healthy local Chesapeake Bay. Increase the number and diversity of trained and mobilized volunteers with the knowledge and skills needed to enhance the health of their local watersheds.





Increase the number and diversity of trained and mobilized volunteers with the knowledge and skills needed to enhance the health of their local watersheds.

Local Leadership Outcome



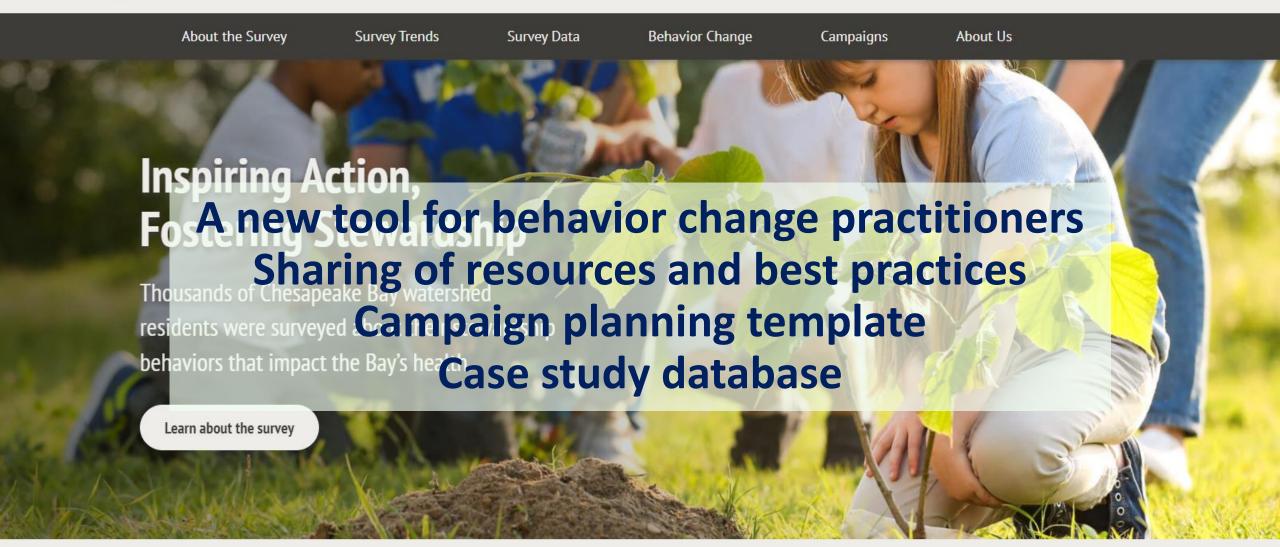
Continually increase the knowledge and capacity of local officials on issues related to water resources and in the implementation of economic and policy incentives that will support local conservation actions.

Diversity Outcome

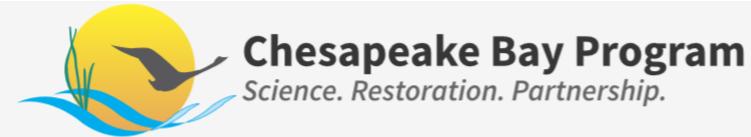


Identify minority stakeholder groups that are not currently represented in the leadership, decision-making and implementation of conservation and restoration activities and create meaningful opportunities and programs to recruit and engage them in the Partnership's efforts.





What Is Chesapeake Behavior Change?



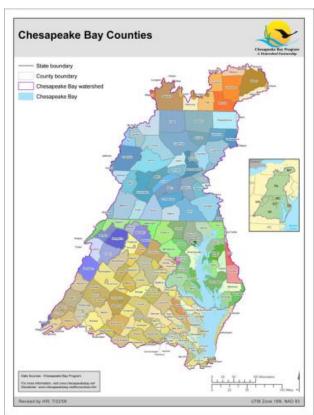


Photos Courtesy Chesapeake Bay Program

Chesapeake Bay Stewardship Indicator

Stewardship Indicator

Sampling Methodology

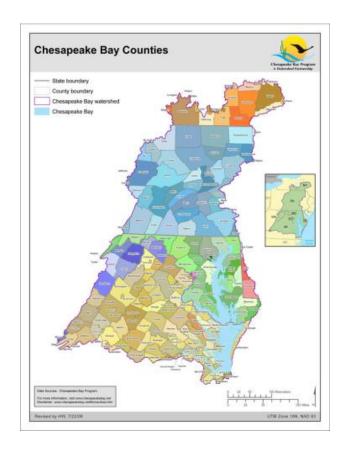


	2017 Baseline
	All states statistically significant N=5,212
MD	1,005 (±3.1%)
PA	1,003 (±3.1%)
VA	1,001 (±3.1%)
DC	801 (±3.5%)
WV	600 (±4.0%)
DE	402 (±4.9%)
NY	400 (±4.9%)

Fielded March – May 2017 13-minute interview Wireless and Landline Spanish language interviewing

Stewardship Indicator

2022 Tracking



New Data Collection Wave in 2022

Behavior & Likelihood Measures Updated

Key Attitudes Measured

Opportunity for Deep Local Sampling

19 Measured Behaviors

- Pet waste (2: on property/off property)
- Leaves/Lawn clippings (2)
- Litter (2: drop/pick-up)
- Fats, grease/Medicines down the drain (2)
- Fertilizer use/keep off hard surfaces (2)
- Pesticide/Herbicide use (2)
- Conservation landscaping
- Rain garden installation
- Septic system inspection/pump out
- Tree planting
- Downspouts redirected
- Rain barrel connected, emptied (2)
- Water conservation

Criteria for Including a Behavior:

- 1. Involves individual decision-making
- 2. Is repetitive and can be tracked over time
- 3. Can be broadly adopted by the public
- 4. Has an impact on water health
- 5. Can engage the public









Fruits and Juices

Assorted Juices ORANGE, PINEAPPLE, APPLE, CRANBERRY, TOMATO, VS, GRAPEFRUIT

SMALL ... 2.95 LARGE ... 7.95

ONE EGG with BACON, HAM or SAUSAGE . TWO EGGS

with BACON, HAM or SAUSAGE with Canadian Bacon

HAMBURGER and TWO EGGS

ROUMANIAN STEAK and EGGS

Cereals

OATMEAL OR FARINA COLD CEREAL with Milk

ADD-ONS

.... 12.95

1. BAGEL ALL THE WAY

Cheese, Lettace, Toronto & Bernada Onios 2. CREAM CHEESE on a TOASTED BAGEL

Bagel Bin

Neva Scotia Lex on a Bagel, with Cream

Too Many Choices Immobilize

" EC	ldz.
5.95	OUR OWN CORNED BEEF HASH & TWO EGGS
7.95	EGGS BENEDICT (2)
6.95	with Canadian Bacon and Hollandaire Sance
2.95	en an English Muffin
9.25	EGGS BENEDICT FLORENTINE

with Fresh Spinack, served over Whele Wheat Teasted Fitz (with CANADIAN BACON ... 17.95)

HARD SOILED EGG (1) 2.50 HARD SOILED EGGS (2) 4.95 EGG WHITES 2.00 Extra

All Omelettes are made with 7 Fresh Eggs . Served with Home Fries or French Fries &

*Omelettes

MUSHROOM OMELETTE with American Cheese .. 10.95 PEPPER and ONION OMELETTE SWISS CHEESE OMELETTE . 9.25 FETA CHEESE OMELETTE SPINACH and FETA CHEESE OMELETTE 9.95 FETA CHEESE and TOMATO OMELETTE GREEK ISLAND OMELETTE 10.95 Spinach, Feta Cheese & Tomatoes BACON, HAM OF SAUSAGE OMELETTE with American Cheese 10 95 AMERICAN CHEESE OMELETTE 295 WESTERN OMELETTE 10.95 SPANISH OMELETTE NOVA SCOTIA LOX, EGGS & ONION (Scrambled or Omelette) FARMER'S OMELETTE Mushroom, Bacon, Sausage and Cheese BROCCOLI OMELETTE 9.95 with American Cheese 10.95 POTATO, PEPPER AND ONION OMELETTE : 10.95 SPINACH AND MUSHROOM EGGWHITE OMELETTE MEAT LOVERS OMELETTE Bacon, Ham and Sausage and Cheese

ANY OMELETTE CAN BE SERVED IN A WRAP 1.50 Extra *ADDITIONAL EGG 1.50 Extra (FRESH EGG WHITES ONLY 2.00 Extra) ENGLISH MUFFIN OR RAGEL 75 Extra SIDE OF CREAM CHEESE 1.50 Extra GLUTEN FREE FRENCH FRIES 2.00 GLUTEN FREE TOAST 2.00

ADDITIONAL ITEMS IN OMELETTE: EXTRA CHEESE OR VEGETABLE 1.25 Extra BACON, HAM OR SAUSAGE 2.00 Extra
TURKEY BACON OR TURKEY SAUSAGE 2.00 Extra

Breakfast Sides

BUTTERED TOAST 2.50	CANADIAN BACON 5	.54
GLUTEN FREE TOAST4.50	TURKEY BACON OF TURKEY SAUSAGE 5	.95
BUTTERED ROLL	HOME MADE CORNED BEEF HASH 6	.95
ENGLISH MUFFIN	HOME MADE GYRO HASH 6	.95
CORN, BRAN OF BLUEBERRY MUFFIN 2.95	SALSA	.56
RACON HAM OF SAUSAGE 4 95		

* This item is cooked to order. Consuming raw or undercooked meats, poultry, seafood, shellfish, or eggs may increase your risk of foodborne illness, especially if you have certain medical conditions

Breakfast Sandwiches

*TWO EGGS ANY STYLE	and .
+ BACON HAM SAUSAGE J PCGS A	2.9
	4.9
★ WESTERN i	5.9

Pancakes Whole Wheat 2.00 Extra . Globes Free 2.50 Extra

PANCAKES DELUXE ... 12.95 with * Two Eggs, Bacon, Harn & Sausage HUNGRY MAN ... 14.95 with *Two Eggs, Bacon, Harn, Sausage & Home Fries

	SHORT	- 89
PANCAKES (WITH SYRUP)	5.95	7.9
with BACON, HAM or SAUSAGE	2.95	10.9
★ with TWO EGGS	E.95	10.9
with CANADIAN BACON	9.95	10.9
CHOCOLATE CHIP PANCAKES	\$.45	10.4
CHUNKY MONKEY FANCAKES with Chocolate Chips and Bananas		
ROLLED STRAWBERRY, CHERRY or BLUEBERRY PRESERVES	4 93334	10.9
PANCAKES with FRESH STRAWBERRIES OR BLUEBERRIES	9.45	11.9
PANCAKES with TURKEY BACON OR TURKEY SAUSAGE	10.95	11.9
PANCAKES with WALNUTS & CRANBERRIES	10.95	11.9

French Toast Whole Wheat 2.00 Extra . Glates Free 2.50 Extra

FRENCH TOAST DELUXE ... 12.95 with *Two Eggs, Bacon, Ham AND Sausage Stuffed with Cream Cheese and Fruit Preserves 16.95 Stuffed with Cream Cheese and Fresh Fruit 17.95 HUNGRY MAN ... 14.95 with *Two Eggs, Bacon, Harn, Sausage & Home Fries

OUR FRENCH TOAST IS MADE WITH CHALLAH BREAD
TWO SLICES
with EACON, HAM or SAUSAGE
★ with TWO EGGS
with CANADIAN BACON
with BLUEBERRIES, CHERRIES or STRAWBERRY PRESERVES
with FRESH BLUEBERRIES or STRAWBERRIES
STUFFED FRENCH TOAST
with Cream Cheese and choice of Strawberry, Blocherry or Cherry Preserves
STUFFED FRENCH TOAST
with Cream Cheese and choice of Fresh Strawberry or Blaeberries
FRENCH TOAST STICKS
FRENCH TOAST with TURKEY BACON OR TURKEY SAUSAGE
FRENCH TOAST BITES topped with Berries, Bananas, & Whipped Cream

Belgian Waffles

HUNGRY MAN 14.95 with *Two Eggs, Bacos, Hars, Sassage & Horse Fries GOLDEN BROWN BELGIAN WAFFLE, CRISP & DELICIOUS with BACON or HAM or SAUSAGE with TURKEY BACON or TURKEY SAUSAGE with TURKEY BACON or TURKEY SAUSAGE with TWO EGGS with TWO EGGS		WAFFLE DELUXE 12.95 with ★Two Eggs, Bacon, Harn and Sansage
WAFFLE with EUTTET and SYEUF with TURKEY BACON OF TURKEY SAUSAGE with TURKEY BACON OF TURKEY SAUSAGE with TURKEY BACON OF TURKEY SAUSAGE twith TWO EGGS with CANADO STEAWWEERY, CHERRY OF BLUEBERRY PRESERVES		
with TURKEY SACON or TURKEY SAUSAGE with CANADIAN BACON with TWO EGGS with Chaice of STRAWBERRY, CHERRY or BLUEBERRY PRESERVES		with BUTTER and SYRUP
with Choice of STRAWBERRY, CHERRY or BLUEBERRY PRESERVES	with T	URKEY BACON OF TURKEY SAUSAGE
	with 0	TWO EGGS Jacob of Strawberry, Cherry of Blueberry Preserves RESH STRAWBERRIES of Blueberryes

Sandwiches

All Sandwickes Served on White, Rye, Whole Wheat or Boll with Lettece, Pickle and Cole Slaw Gluton Free Broad 2.50 Extra

TUNA SALAD SANDWICH	
EGG SALAD SANDWICH	
CHICKEN SALAD SANDWICH	
GRILLED AMERICAN CHEESE SANDWICH	. 5.95
With BACON	6.95
With TOMATO	6.50
BACON, LETTUCE and TOMATO SANDWICH	. 7.95
HAM and SWISS CHEESE SANDWICH	
ROAST BEEF SANDWICH	
HOMEMADE ROASTED TURKEY SANDWICH	
PASTRAMI SANDWICH	
CORNED BEEF SANDWICH	10.95
FRIED FILET ON A ROLL	11.95
with Tartar Sauce	
CHOICE OF CHEESE 1.00 EXTRA	
ADD FRENCH FRIES 7.00 (Gluton From 2.00 Ext	T2

Greek Island Sandwich Specialties

WEAPPED in a Pita Broad with Onions, Shredded Lettuce, Ternate and Yegurt Sauce (Extra TZATZIKI SAUCE 1.50) Gluton Froe Fries 2.50 Extra

EDGULAE	
CHICKEN SOUVLAKI (Marieated) 9.95	12.5
FORK SOUVLAKI (Marinated) 9.95	12.5
* FILET MIGNON SOUVLAKI (Marieated) MF	N
GYEOS	
CHICKEN GYEO 9.95	12.5
FALAFEL	12.5
Veretarian Special served with Tahini Sauce	
GREEK PIZZA 10.95	
Chopped Spinach and Feta topped with	
Melted Mezzarella Cheese & Marinara Sauce	
FRIED EGGPLANT with FRIED ONIONS	
es a PITA with MOZZARELLA12.95	

Triple Deckers

Served with Dressing, French Fries, Cole Slaw and Pickle Gluten Free Fries 2.50 Extra **YOUR CHOICE 13.95** PLEASE ORDER BY NUMBER

#1 HOMEMADE SLICED BOASTED TURKEY Bacon, Lettoce & Tomate
*#2 BOAST BEEF, Swiss Choose, Lettoce & Tomate #7 VIRGINIA HAM, Swiss Choose, Lettuce & Temate #4 CHICKEN BREAST, Bacon Lettuce & Tomate #5 TUNA or CHICKEN SALAD CLUB Bacos, Lettece & Tersate

Salad Platters **YOUR CHOICE 13.95**

ALL SALADS ARE HOME MADE Platters include Lettuce, Tomate, Pickle, Potate Salad & Cole Slaw

TUNA SALAD EGG SALAD CHICKEN SALAD

Pita Melts

All Served with French Fries Glates Free Fries 2.50 Extra . Glates Free Fitz 2.50 Extra PLEASE ORDER BY NUMBER

YOUR CHOICE 12.95

#1 SAUTEED BROCCOLI and MUSHROOMS, Topped with Melted Swiss #2 MELTED MOZZARELLA CHEESE, TOMATO and ROASTED PEPPERS, Topped with Poste

and ROASTED PEPPERS, Topped with Pasts
2 SAUTEED SPINACH and ONIONS,
Topped with Melted Feta Choose
4 TUNA FISH
Topped with Melted American Choose
5 GRILLED CHICKEN, RED SAUCE,
Topped with Melted Cheddar Choose
5 TURKEY, BACON
Topped with Melted Cheddar Choose
6 TURKEY, BACON
Topped with Melted American Choose
7 CHICKEN CASAR SALAD
26 GRILLED CHICKEN, with Sauteed Poppers
and Onions. Topped with Swits Opener
and Onions. Topped with Swits Opener and Onions, Topped with Swiss Choose

with Sautood Onions, Topped with Molted Cheddar or American Choose #10 GRILLED AMERICAN CHEESE with Bacon and Tornato

"Market Value Prices Could Fluctuate"



8oz. Jumbo Burgers

DELUXE: Served with French Frie

Owies Kings, Cotteco, Inteste	TRE CASE SI	4.04
	REGULAR	
* BEEF BURGER	8.95	11.95
* CHEESEBURGER	9.95	12.95
with American Cheese		
* BACON BURGER	10.95	17.95
★ BACON CHEESEBURGER	11.95	14.95
* PIZZA BURGER	8.95	11.95
GRILLED CHICKEN	9.95	12.95
with MELTED AMERICAN		17.95
Substitute Salad 2.00	Extra	
Substitute Onion Rings 2		

Substitute Waffle Fries 2.00 Extra Substitute Sweet Potate Fries 2.00 Extra Turkey Sausage or Turkey Bacon 2.00 Extra Sautood Mushrooms and Onions 2.00 Extra CHEESES: Swiss, Mozzarella, Pepper Jack or Cheddar Cheese 1.00 Extra

* GREEK STYLE BURGER (TURKEY OR BEEF) Served on Fits, with Fets Cheese, Lettuce, Terrato and Opious REGULAR ... 10.95 DELUXE ... 17.95

Low Cholesterol. Low Fat & Delicious

tegulat	DELUX
TURKEY BURGER \$.95	11.93
with AMERICAN CHEESE 9.95	12.95
TURKEY BACON BURGER 10.95	17.95
with AMERICAN CHEESE 11.95	14.95
VEGETARIAN BURGER \$.95	11.95
Sauté of Mushrooms and Onious 2.00 Extr Bacon 2.00 Extra Fried Onious 1.50 Extr	

CHEESES: Swiss Mazzarella Popper Jack or Cheddar Cheese 1.00 Extra

Salads IMALL LARGE GREEK SALAD TOSSED SALAD 7.45 12.95 CAESAR SALAD £.95 14.95 SPINACH SALAD HARD BOILED EGG, 11 95 15 95 RACON & MUSHROOMS CHEP'S SALAD .. 12.95 17.95 Tossed Salad Topped with Turkey, Reast Boof, Ham, Swiss Choose, American Choose, Hard Boiled Egg, Garnish & choice of Dressing CORE SALAD Lettuce, Terestees, Onions, Swiss Cheese, American Choose, Sliced Egg, Bacon and Sliced Turkey

SALAD ADDITIONS	
GRILLED CHICKEN 6.50	7.5
GYEO SLICES 6.50	7.5
GYEO SLICES CHICKEN 6.50	7.5
PORK or CHICKEN SOUVLAKI 6.50	7.5
* FILET MIGNON MARKET	VALU
SHRIMP MARKET	VALU
SALMON MARKET	
BUFFALO CHICKEN GRILLED or FRIED 7.50	8.5

MIXED GREENS with WALNUTS. CRANBERRIES & GORGONZOLA CHEESE Served with a Light Baspberry Visaigrette SMALL ... 11.95 LARGE ... 17.95

Wraps

All Served with French Fries Gistes Free Pries 2.50 Extra **YOUR CHOICE 14.95**

BUFFALO CHICKEN WEAP (Fried or Grilled) with Lettece and Tomatoes GREEK SALAD WRAP WITH CHICKEN OR GYRO CAESAR SALAD WEAF with CHICKEN TUNA OR CHICKEN SALAD with Lettuce and Tomate #1 GRILLED CHICKEN WEAP with Lettuce and Tomate #2 GRILLED CHICKEN WRAP with Eo2sted Popper, Lettuce & Temate VEGETABLE WRAP with Sautéed Broccoli, Ternatoes, Onious and Mushrooms CHICKEN FINGER WRAP with Lettece & Tereste

* PHILLY CHEESE STEAK WRAP

Beef with American Cheese & Fried Onions CHICKEN FAJITA WRAP FALAFEL AND HUMMUS WRAP with Lettece and Tomate

Panini Sandwiches

All Served with French Frie Glates Free Friet 2.50 Extra PLEASE ORDER BY NUMBER **YOUR CHOICE 14.95**

CHOICE OF GRILLED OR FRIED CHICKEN

#1 TOMATO & MOZZABELLA #2 CHICKEN CUTLET (Grilled or Fried) with Bacon, Cheese, Lettuce & Tomate #2 CHICKEN CUTLET (Crilled or Pried) with Boasted Poppers & Mozzarella Choose #4 CHICKEN CUTTET (Crilled or Brigd) with Sundried Tornatoes & Posto ##5 BOAST BEEF with Sautood Onions & Mozzarolla Choose # #6 PHILLY CHEESE STEAK

with Cheddar Choose & Sauteed Onions

#7 BLT - Bacon, Lettuce and Tomate ## REUBEN

#9 REFE & LAMB GYPO OF CHICKEN GYPO

#10 PASTRAMI with Fresh Mezzarella #11 CHICKEN PARMESAN

#12 SHEIMP PARMESAN (16.95) #17 EGGPLANT PARMESAN

#14 MEATBALL PARMESAN #15 FRIED EGGPLANT with Equated Red Poppers and Fresh Mezzarella

#16 GEILLED SHEIMP ON GARLIC PANINI (16.95) #17 FRIED FILET with Tartar Sauce

#18 HOMEMADE SLICED TURKEY with Fresh Mezzarella, Artichekes,

Red Poppers & Thousand Island Dressing #19 CHICKEN CORDON BLEU Grilled Chicken with Smoked Ham and Swiss Choose

*#20 WESTERN OMELETTE PANINI Ham, Poppers, Onions #21 BUFFALO CHICKEN

Grilled or Fried with Blee Cheese, Lettuce and Temate #22 CHICKEN FINGERS

with Cheddar Choose, Bacon & BBQ Sauce #27 FALAFEL AND HUMMUS

with Regated Peppers #24 CHICKEN FAIITA

with Sauthed Poppers and Onions #25 GEILLED CHEESE

with Bacon, Sansage or Ham *#26 TEX MEX

Loast Boof with BBQ Sauce, and Popper Jack Choose

> CHEESE 1.50 Extra Extra DRESSING 1.50 Extra

Sides

JIUCS	
FRIED ONION RINGS	6.25
FRENCH FRIES	5.95
with MELTED AMERICAN CHEESE 4.95	6.95
with SWISS or MOZZARELLA 5.95	
GLUTEN FREE FRENCH FRIES 5.95	7.95
WAFFLE FRIES	7.95
with AMERICAN CHEESE 5.95	2.95
SWEET POTATO FRIES	7.95
HOME FILES	4.50
MASHED POTATOES 2.50	4.50
BAKED POTATO	2.95
STUFFED BAKED POTATO	
CHEESE, BROCCOLI & BACON	
LETTUCE WEDGE	4.95
VEGETABLE DU JOUR	
SAUTEED SPINACH 7.95	5.95
COLE SLAW 2.25	4.25
GRAVY 1.75	
RICE PILAF	4.00
PITA BREAD	2.00
YOGURT SAUCE	
SOUR CREAM	
GRILLED CHICKEN	
GYRO SLICES	
CHICKEN GYRO SLICES	
PORK or CHICKEN SOUVLAKI	
FILET MIGNON 17.95	
BUFFALO CHICKEN GRILLED or FRIED 7.95	12.95

HOMEMADE TACO BOWL

TACO SALAD MADE with-Chapped Borf 14.95 Chicken 14.95 Beffale Chicken 15.05 * Steak 12.05

* This item is cooked to order. Consuming raw or undercooked meats, poultry, seafood, shellfish or eggs may increase your risk of foodborne illness, especially if you have certain medical conditions.

A Step-by-Step Guide to Planning & Implementing a Behavior Change Campaign

Step 1

Identify a Single, End-State Behavior You Want to Change

Step 2

Identify your Priority Audience and Measure the Behavior Baseline

Step 3

Identify Barriers and Benefits

Step 4

Develop Your Campaign (Strategies and Tools)

Step 5

Implement Your Behavior Change Campaign

Step 6

Measure and Evaluate Behavior Change



Chesapeake Behavior Change was developed in coordination with the Chesapeake Bay Program's Stewardship Workgroup. The goal of the Stewardship Workgroup is to grow the number of residents and organizations taking action from the ground up to encourage positive actions that protect and restore the health of the Chesapeake Bay.



Choose the Right ONE Behavior to Influence

Impact: This behavior's impact on water quality

Opportunity: Share of the public who have not yet adopted the behavior

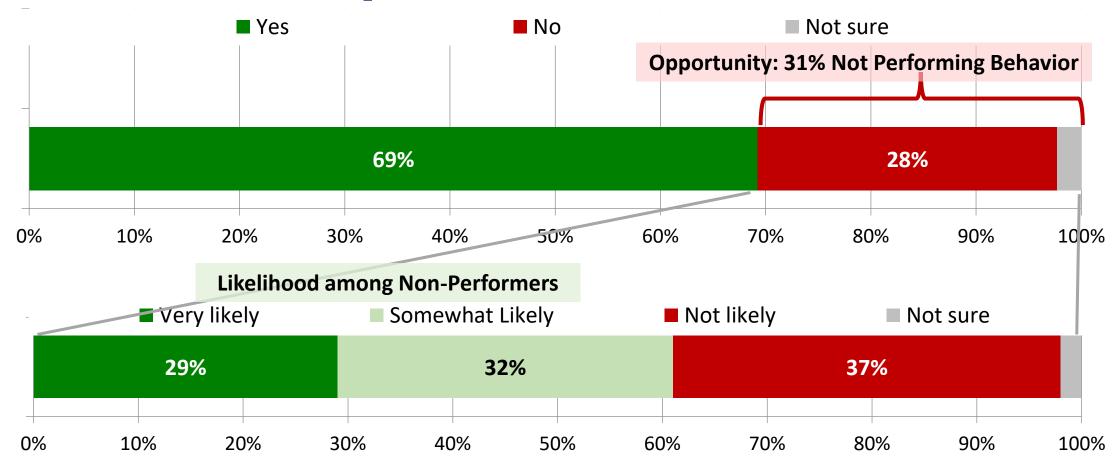
Likelihood: How ready people are to adopt

Physical science

Social Science



Rain Barrel is Connected and Emptied Between Rainstorms



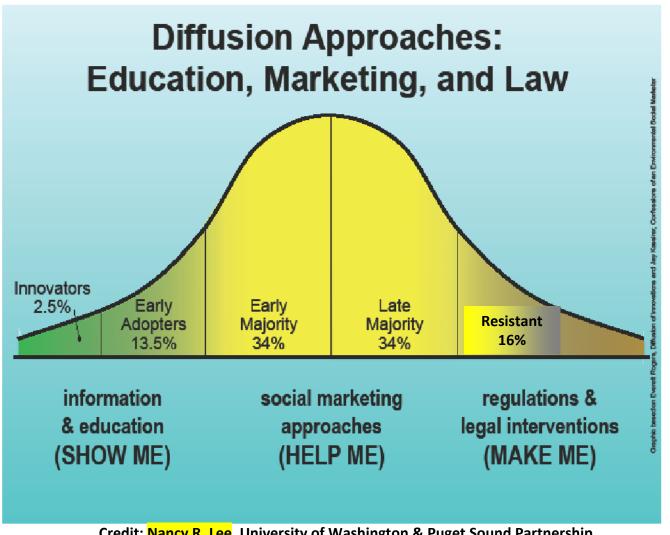
(Asked of those with a rain barrel):

"Is your rain barrel connected to a downspout and being emptied between rain storms?"

(If no or not sure): "Looking forward over the next year or so, how likely are you to do each of these things using the scale very likely, somewhat likely, or not likely?Empty your rain barrel between rainstorms.."

Stewardship Indicator Survey

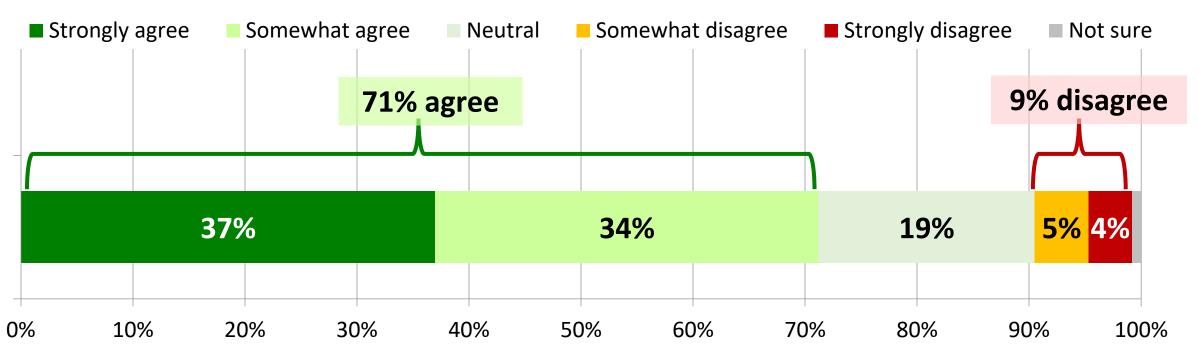
(N=5,212 Chesapeake Bay Watershed residents, 2017)



Credit: Nancy R. Lee, University of Washington & Puget Sound Partnership
Adapted from Everett Rogers, Jay Kassirer, Mike Rothschild, Dave Ward, Kristen Cooley

A Public That Wants to be Engaged I want to do more to help make local creeks, rivers, and lakes healthier.

Level of Agreement



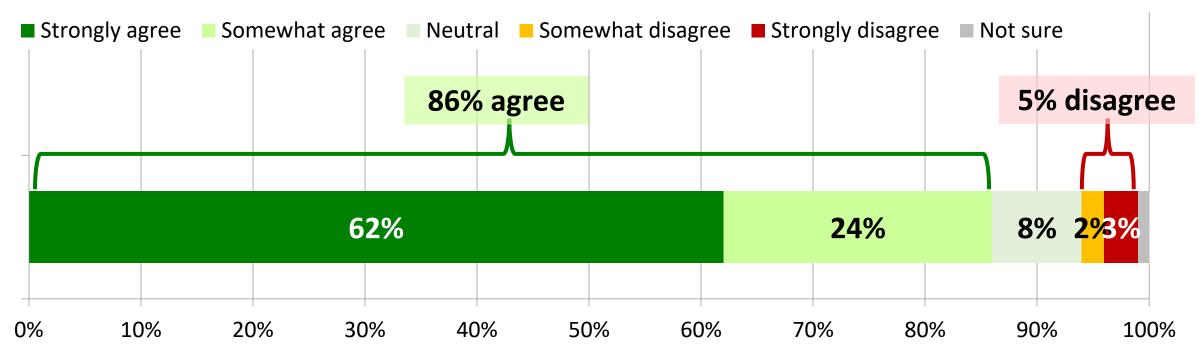
Stewardship Indicator Survey

(N=5,212 Chesapeake Bay Watershed residents, 2017)

Optimistic about Solutions

If people work together, water pollution around here can be fixed.

Level of Agreement



Stewardship Indicator Survey

(N=5,212 Chesapeake Bay Watershed residents, 2017)

https://www.chesapeakebehaviorchange.org/