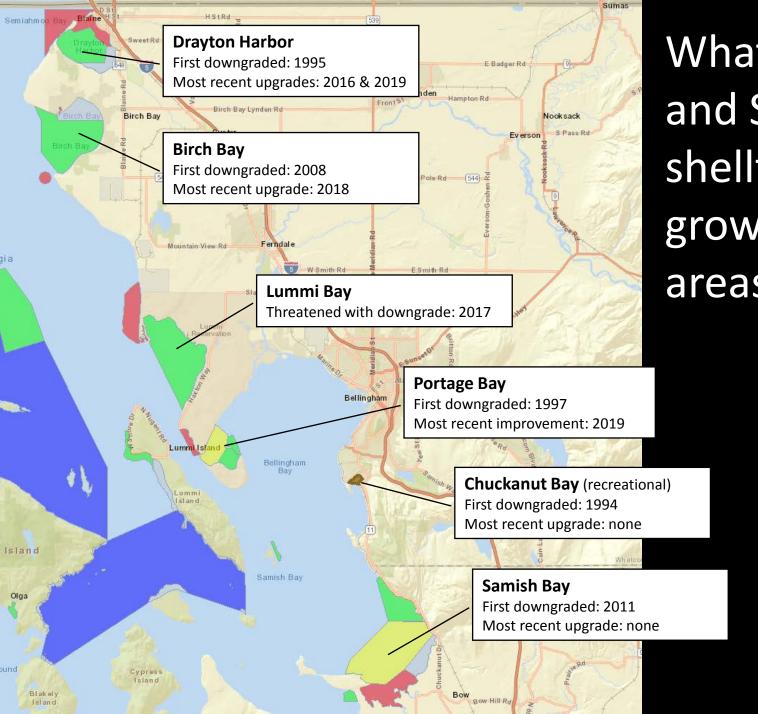


Pollution Identification and Correction in the North Sound: Successes and Challenges

Erika Douglas, Whatcom County Public Works
Karen DuBose, Skagit County Public Works



- Both Upland and Aquatic Farming Important in Whatcom and Skagit Counties
- Fecal Bacteria Closes Aquatic Farming
- Takes Years to Reopen Closed Shellfish Beds



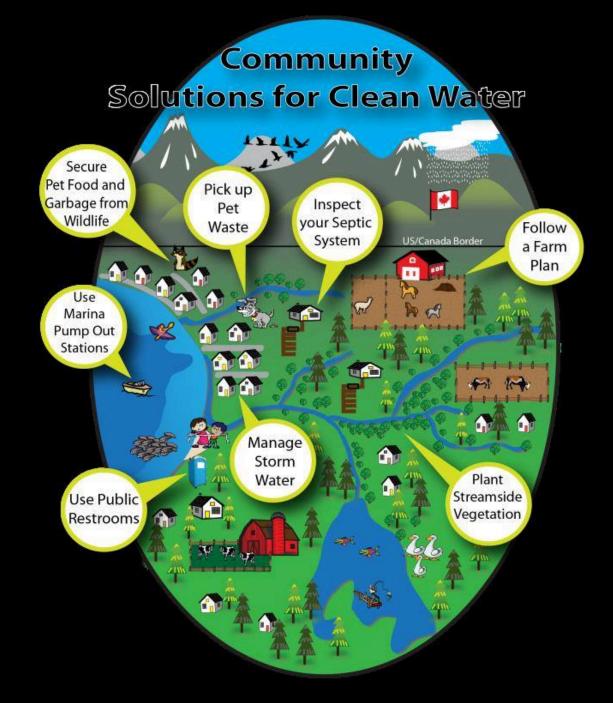
Whatcom and Skagit shellfish growing areas



Fecal bacteria are an indicator of human pathogens



Many sources of fecal bacteria pollution ...



Coordination to address many sources



Public Works

Water monitoring, data management, education, outreach, Pollution Identification and Correction (PIC) program, financial incentives

Conservation District

Farm planning assistance, financial assistance, education, outreach, data management, mapping, volunteer coordination

County Health Department

Septic Systems

County Planning Department

Critical Areas Ordinance compliance

Washington State Department of Agriculture

<u>Dairies, Dairy Nutrient Management Act compliance, data collection,</u> mapping

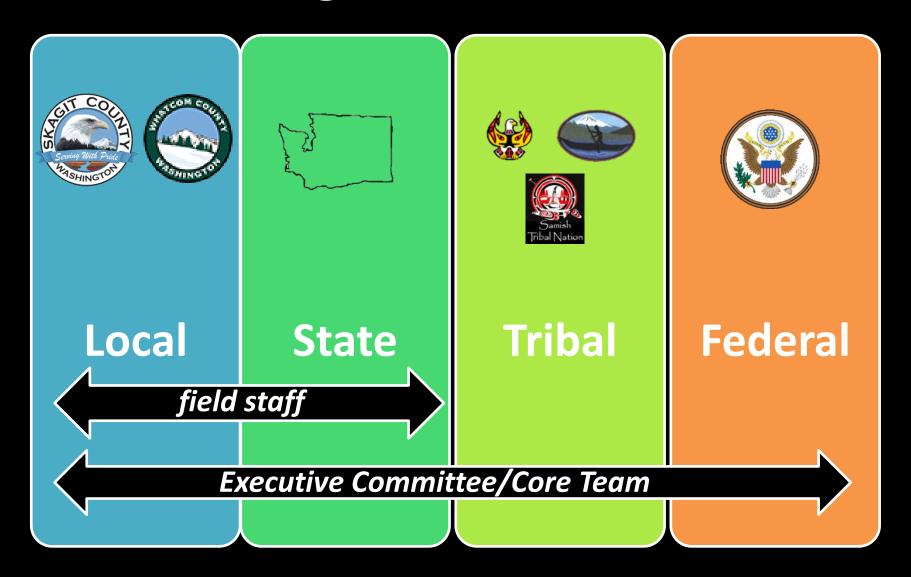
Washington State Department of Ecology

Non-dairy agriculture, Water Pollution Control Act compliance, data collection

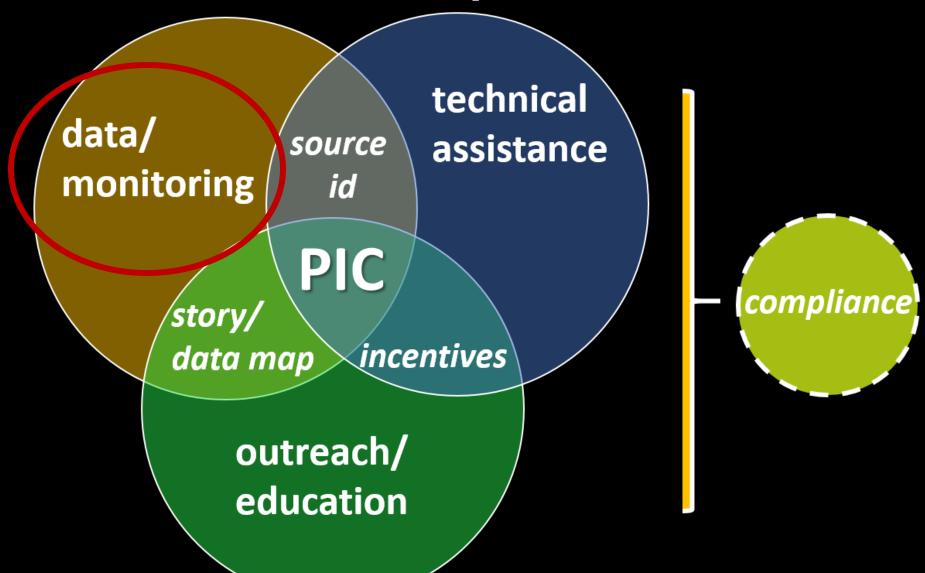
Washington State Department of Health

Marine water quality and shellfish, National Shellfish Sanitation Program (NSSP) compliance

Program Structure

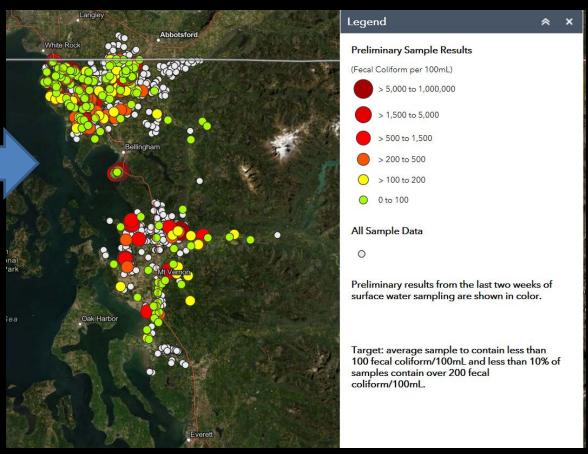


PIC Components

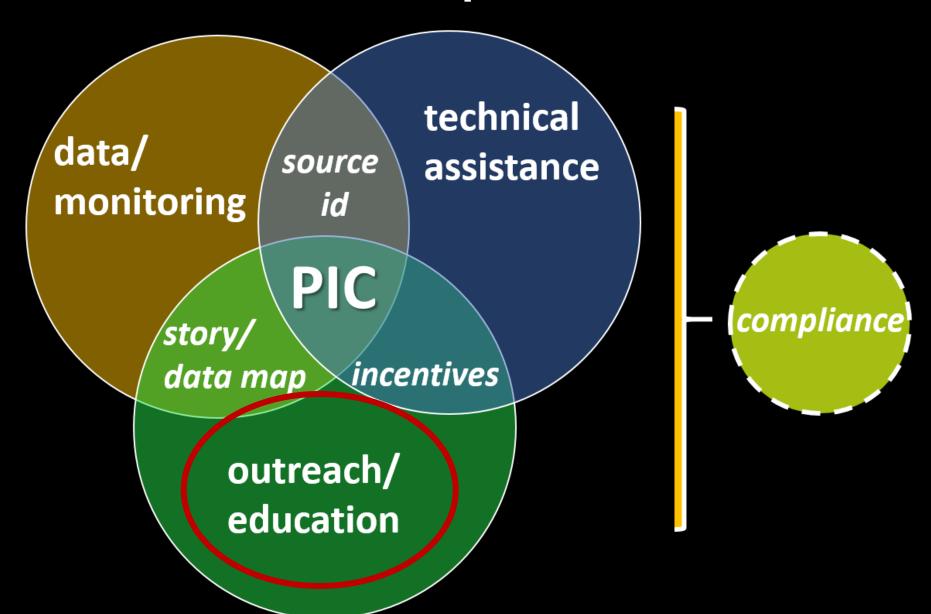




Data Driven



PIC Components



diverse outreach messaging

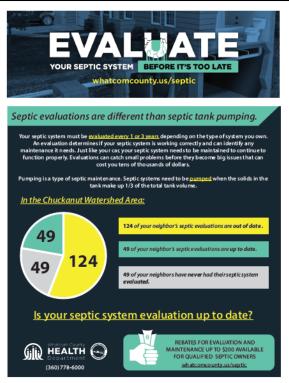


PLEDGE TO SCOOP THE POOP, GET A FREE TAGALONG CLIP!

The secret's out. Dog poop can contain disease-causing germs and parasites. Keep your family, community, and our waterways healthy by pledging to scoop it, bag it, and trash it. As a token of our appreciation for making an important commitment to your community, we'll send you a free Tagalong clip for your leash, stroller, or backpack. The Tagalong is a nifty tool that helps you transport bags of dog poop to the trash hands-freel

VISIT OUR WEBSITE TO TAKE THE PLEDGE: WHATCOMCOUNTY.US/SCOOPPOOP





Whatcom County Watersheds PIC Program Newsletter

Connecting Landowners with Useful Resources Community Solutions for Clean Water



Hilary Graham and Sean D'Agnolo Monkey Puzzle Farm

"However our homestead and farm business moves forward, we're really glad to have access to the WCD, they are an incredible resource for new farmers and an asset to any farm business", Hilary said of their experience working with the Whatcom Conservation District.



Borrowing the manure spreader from the Whatcom Conservation District ... "worked very well. We had a huge pile of horse manure and we weren't sure what to do with it, until the Conservation District suggested borrowing their new manure spreader. It gave us the first step in our pasture renovation process and helped us get going. After we spread the manure we limed, harrowed, and overseeded. We are keeping the horses off the new pasture for the winter, and we look forward to them having a new refreshed pasture next year, "

Whatcom Conservation District? (360) 526-2381 www.whatcomcd.org



diverse outreach messaging





Published by Karen DuBose [?] · February 20 · €



On #NationalLoveYourPetDay, make sure you're keeping your pet safe and healthy by reducing their exposure to worms and viruses. Because nobody likes going to the vet. (Or visiting their human doctor for a poop-related disease.) #PoopSmart

Learn WHY it's important at poopsmart.org/pet

3

Skagit County Clean Water: The Straight Po

True or false: Septic systems last forever, Household c system. Cat food can make your septic system work be Septic Myths video #StraightPoopOnSeptic #SepticSm Poop Smart

I need to poop while fishing,
hunting, or hiking!

We get it. Most rural recreation areas don't have bathrooms.
But there's a right way and a wrong way to poop in the woods ...
or near the river. Each person who does the right thing helps
keep trails clean and the river open to fishing.

Who wants to lose a fishing opportunity? If bacteria levels get too high, the Department of Fish and Wildlife could shut down fishing zones in Skagit County.

92% OF DOG OWNERS SAY
IT IS IMPORTANT OR VERY IMPORTANT TO BAG DOG POOP AND DISPOSE OF IT IN THE TRASH.

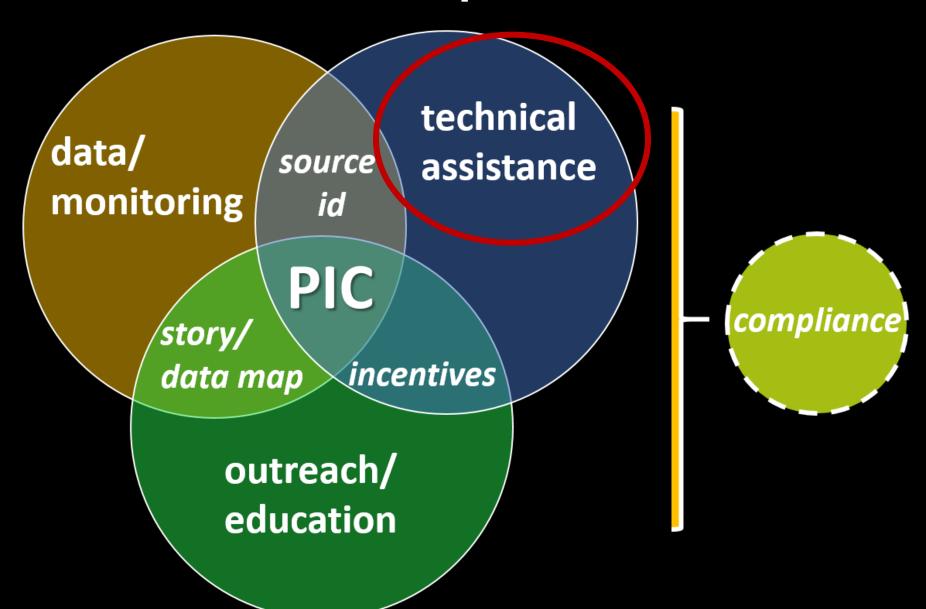
Don't drop your deuce.

If you care about the water and land that you enjoy for recreation, you need to properly dispose of your waste. Don't just drop a deuce anywhere. If you're planning your gear and route, you've got to plan for this, too. How much difference can one person make? It's not just a drop in the ocean. When you do the right thing, you help keep the woods clean and fishing areas open.





PIC Components



offer technical assistance



offer technical assistance



offer financial assistance



REBATES, SMALL GRANTS, MANURE SPREADER LENDING, SOIL TESTING, TARPS...



offer community incentives



TAKE THE PLEDGE, GET A FREE TAGALONG!

Scoop it, Bag it, Trash it.









Normalize conservation behaviors

Personalize government

Use incentives specific to target behavior

Goal:

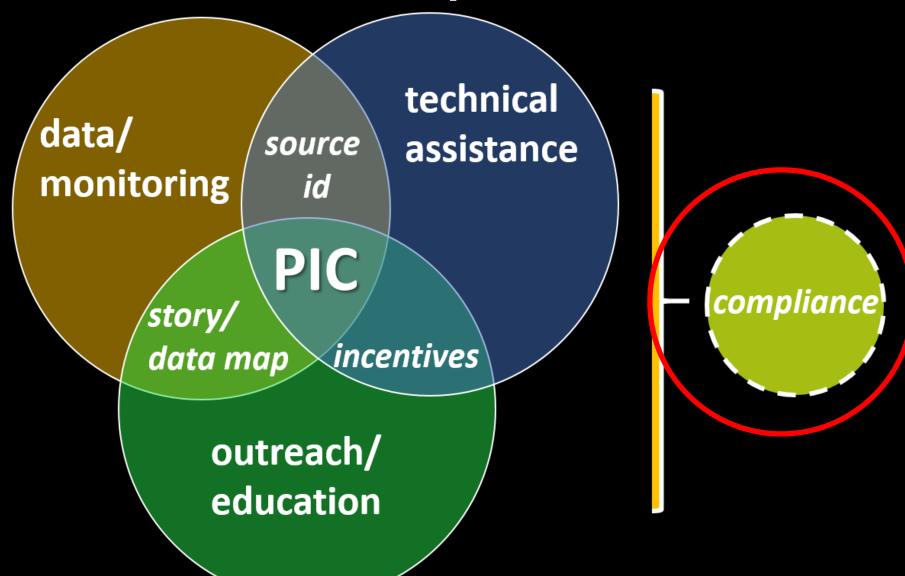
Improve Water Quality

Build trust through relationships

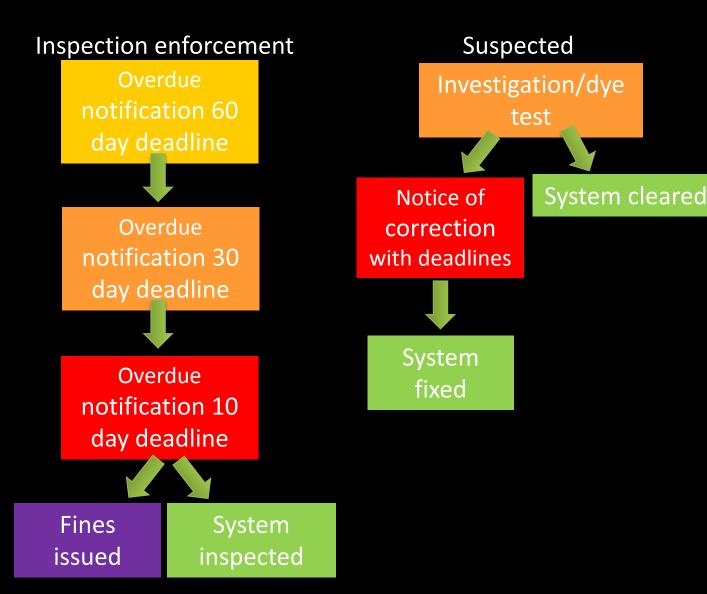
Use trusted sources of information

Build trust through transparency

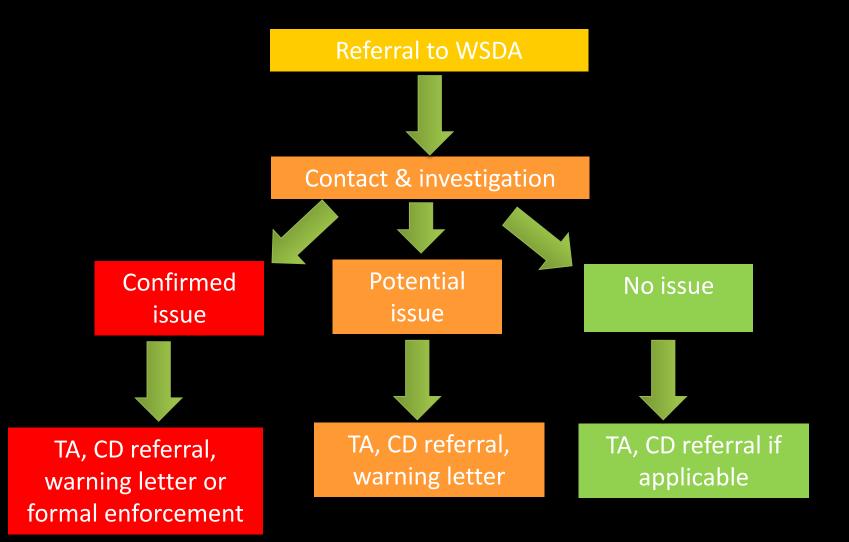
PIC Components



Septic Systems



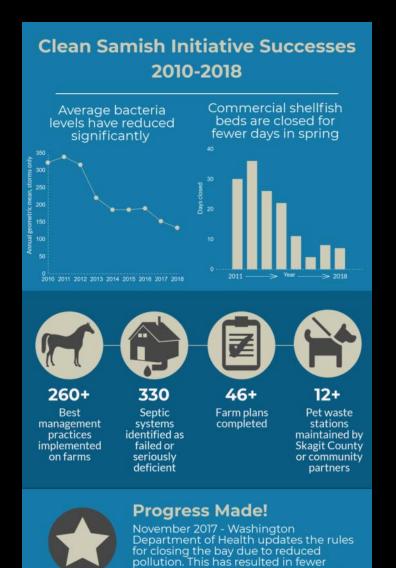
Dairies



Non-Dairy Agriculture: Critical Areas



progress made...



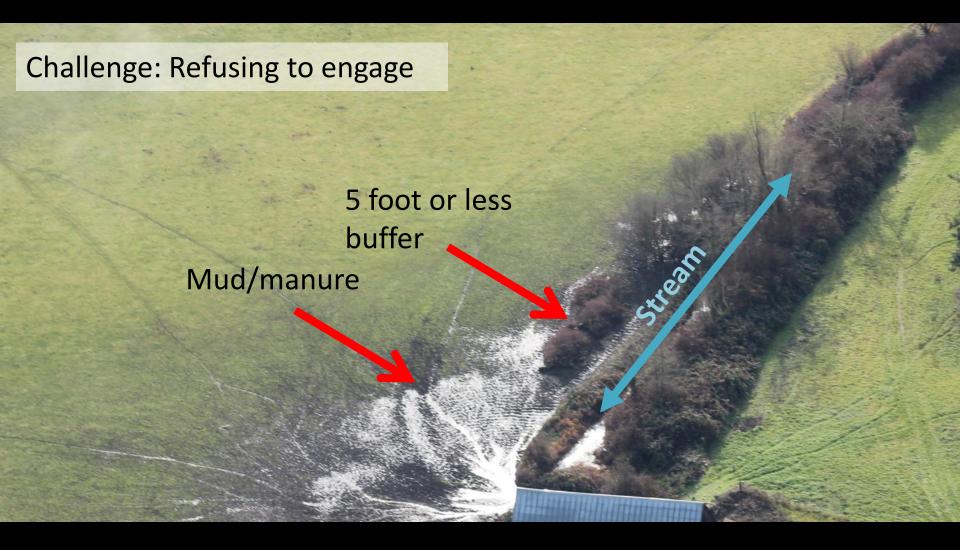
precautionary shellfish harvest closures.



1,700 Acres Upgraded So Far

...more to do

Non-Dairy Agriculture: Water Quality



Non-Dairy Agriculture: Water Quality



We need your help.

Troubleshooting Finding Common Ground Moving Forward