

00:37:27 Emily Dyett: We use the Clean Swell App from the Ocean conservancy - <https://oceanconservancy.org/trash-free-seas/international-coastal-cleanup/cleanswell/>

00:37:56 Emily Dyett: It connects to largest litter database in the world, TIDES - <https://www.coastalcleanupdata.org/>

00:38:41 Stacey Lennard: We use Clean Swell too - Ct River Conservancy

00:38:43 Layne Marshall: The EPA's Escaped Trash Assessment Protocol is another litter data collection tool: <https://www.epa.gov/trash-free-waters/epas-escaped-trash-assessment-protocol-etap>

00:39:13 Emily Dyett: Yes, I heard that is great too. We are actively working to get more Great Lakes data as part of this database!

00:39:55 Karla Noboa (they/them): We use the EPA ETAP protocol when removing litter from the in-stream devices!

00:47:06 Olivia Simkins Bullock: Is it 83% styrofoam by weight or by volume? Just curious.

00:47:20 Tom Sprehe: or piece

00:49:11 Emily Dyett: The only way I believe we can reduce and eliminate litter pollution in our waterways is not solely about individual behavior change, but holding producers accountable. This decade old messaging that consumers are the reason we have a plastic crisis is no longer acceptable. Producers are leading the irresponsible, mass, profit driven production and use of harmful materials, particularly plastics. We need stronger policies that can be empowered through data.

00:49:31 Emily Dyett: decades\*\*

00:51:10 Julie Bell: The point about legislation not being a panacea is good - In Delaware we have a plastic bag ban, but there's no enforcement and grocery and other stores are still handing out the bags...

00:51:58 Serena Moncion - Potomac Riverkeeper Network: I'm really interested in trying the brand auditing you mentioned - starbucks cups vs dunkin donuts cups, etc. What tool do you use to catalog that data?

00:52:15 Tom Sprehe: Wrote the feasibility study for the Trash Wheel.

00:52:48 Emily Dyett: Is there a reporting mechanism in DE for violating the ban?

00:53:33 Julie Bell: Good question - I don't know if there's a reporting mechanism...

00:55:52 Christian Murphy (he/him), BxRA: Serena we use a datasheet that we created that outlines trash by material and then further divides it by usage - so plastic gets categorized by food item, toys, autoparts etc. We are interested in utilizing a smartphone app in the future to make this data more readily available!

00:56:32 Christian Murphy (he/him), BxRA: Thanks Tom! Glad to have you here today!

00:58:47 Christian Murphy (he/him), BxRA: Emily I agree that individual responsibility is an outdated method of redirecting blame for pollution. The more we're able to bring our community members to this realization is the more we can grow our advocacy, through letter writing and social media campaigns and what not

01:00:03 Christian Murphy (he/him), BxRA: Rosana exactly, it turns the accountability away from individuals just walking through their neighborhoods

01:07:09 Ryan Jiorle, Musconetcong Watershed Association: Ellen or Martha, do you have cases of action being taken in response to organizations reporting trash as pollution data? Are there outcomes other than a trash TMDL?

01:10:05 Emily Dyett: Thanks Christian!

01:10:41 Ellen Kohler - Water Center@Penn - she/her: Ryan - we are just starting to report the information from trash clean ups in Delaware in the context of pollutant data. As a result, we do not have any outcomes yet. There are other possible policy outcomes under the Clean Water Act through permits (particularly MS4 permits requiring more). You have also heard about policy outcomes to limit certain trash sources. Other communities have implemented bag fees with the idea in mind that this would reduce trash from bags and the revenue can be used for water quality projects.

01:10:54 Stacey Lennard: I've found it difficult to get a lot of folks to tally their trash. Adding the Clean Swell app to our mix of more traditional data cards has helped us go from 33% return to over 56% in last 2 years. Clean Swell also feeds into a global network.

01:11:43 Stacey Lennard: I'd love to hear if folks have found good methods/incentives to get more people to tally their trash.

01:11:59 Emily Dyett: I have to hop off but thank you all so much for your insight and sharing. Take care and good luck to all with your data collection and advocacy efforts this year! My email is [edyett@bnwaterkeeper.org](mailto:edyett@bnwaterkeeper.org) if anyone wants to connect further!

01:12:01 Christian Murphy (he/him), BxRA: Taking note of the efficacy of the apps as opposed to traditional data sheets!

01:12:24 Rosana Da Silva (she/her), HRF/HEP: Here is a link for the Stopping Trash Where it Starts and the materials included - <https://www.hudsonriver.org/article/stopping-trash-where-it-starts>

01:12:26 Stacey Lennard: The only problem with the app is that you can't control the items that are included, so there's a tradeoff there

01:12:53 Joseph Chapman: is there a cost attached to literati or clean swells? If so, anyone know how much?

01:13:04 Stacey Lennard: FREE!

01:13:18 Joseph Chapman: yay!

01:13:46 Olivia Simkins Bullock: Partners for Clean Streams encourages volunteers to work in teams, with one dedicated data collector per 2-4 picker-uppers. Volunteers call out what they collect in round numbers.

01:13:52 Emily Dyett: Making it into an event where you use a tarp and do an "inventory" activity with trash is a fun way for groups too!

01:13:54 Stacey Lennard: We encourage our smaller groups to identify 1-2 people to take the tally while others pick up.

01:14:22 Christian Murphy (he/him), BxRA: Olivia Emily and Stacey noted!

01:14:39 Ryan Jiorle, Musconetcong Watershed Association: I wonder if there is still value in having a few super volunteers commit to faithful tallying. If they cover the entire area, you have at least basic information for outreach and education. Not sure what you can say from a scientific rigor standpoint.

01:15:17 Andrew Homsey: Thank you for a great discussion!

01:15:22 Stacey Lennard: Thank you!

01:15:35 Olivia Simkins Bullock: We also have good luck motivating people to actually collect the data by hosting trash challenges - which team picks up the most cigarette butts, who find the most usual item, biggest item, etc. Lets them be proud of their results!

01:15:37 Rosana Da Silva (she/her), HRF/HEP: Certainly Ryan - we trained all volunteers in our protocol which really enabled those local champions!

01:15:48 Olivia Simkins Bullock: Joseph - there is no cost to using Literati or Clean Swell.