

Citizen Monitoring for Microplastics on Texas Gulf Coast

- 🌐 Diane Wilson
- 🌐 San Antonio Bay Estuarine Waterkeeper



Formosa Plastics, Point Comfort, Texas



Powder and Pellets

polyethylene , polypropylene, polyvinyl chloride



Sources of Plastic Pollution: Emissions



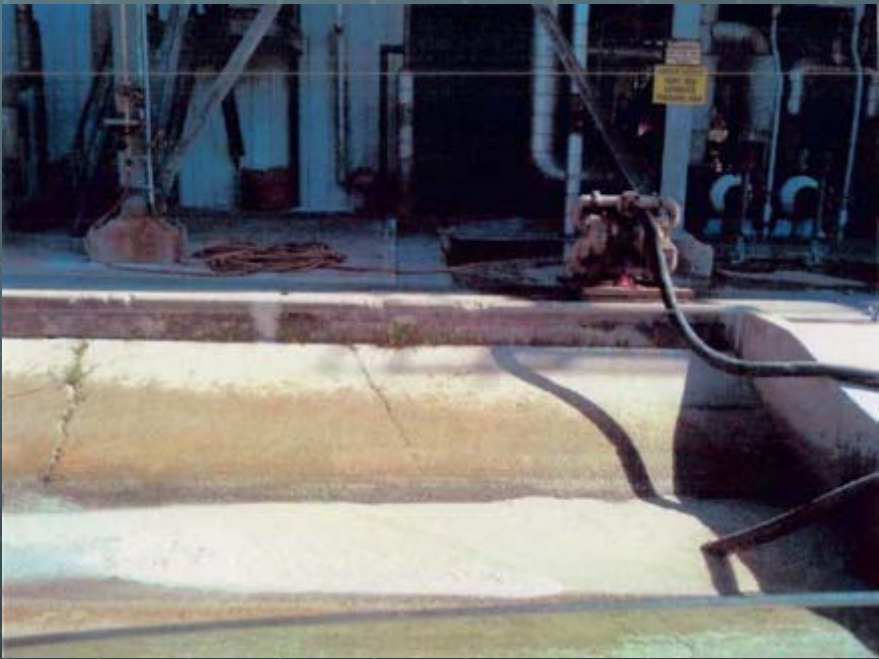
Bagging



Railroad cars



Storm ditches



Locations:

Storm water outfalls/industrial discharge



Waterkeepers





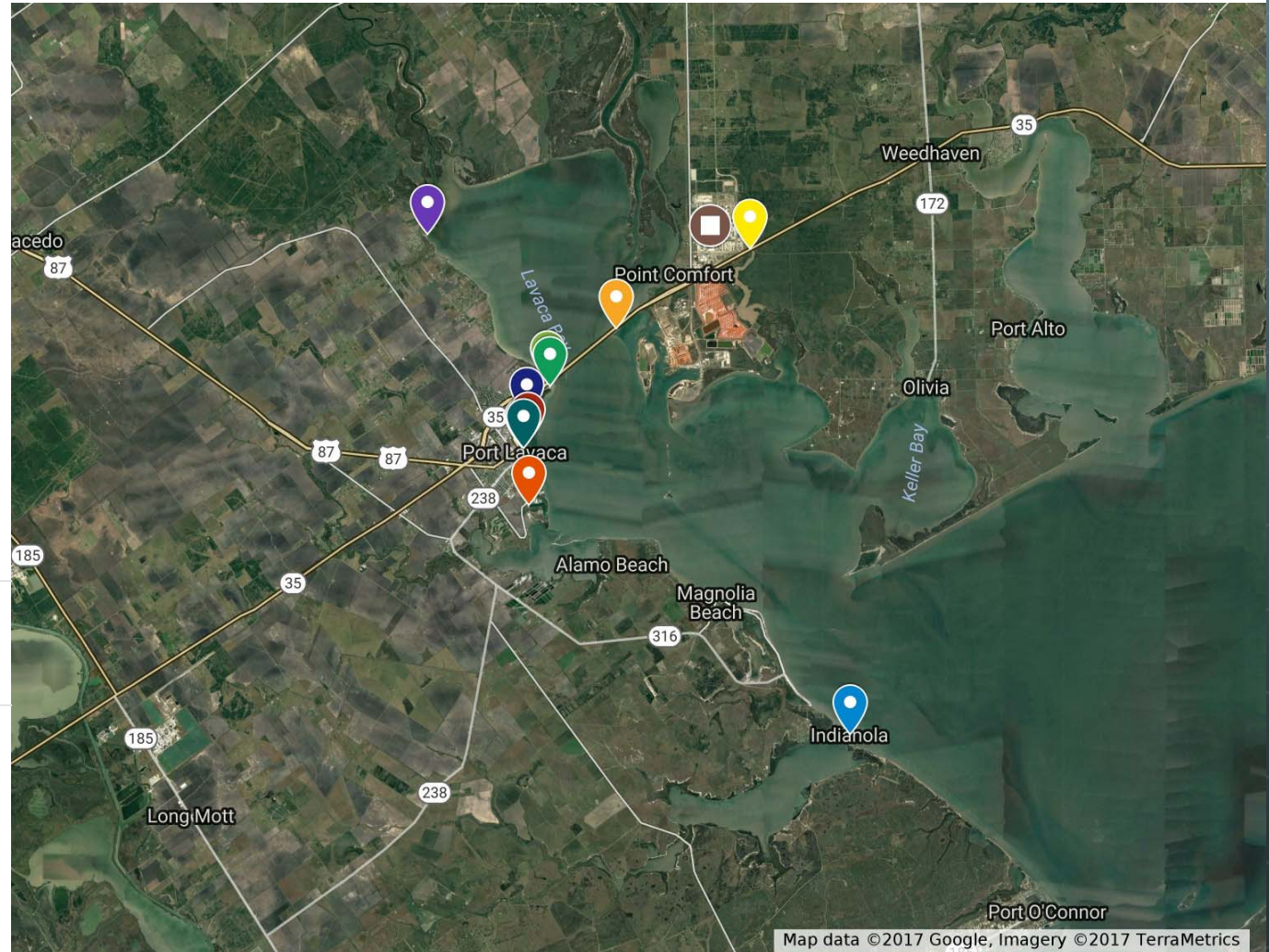
Plastic Pellets Sampling Locations

Sampling locations

- North Side Causeway
- Six Mile Park
- Holiday Inn Express Beach
- Lighthouse Beach
- Lone Star RV Park
- Marina Boat Ramp
- Marina Harbor
- Marina Playground
- Poor Boy Bait Stand
- Refuge Harbor
- Indianola Beach
- Cox Creek

Formosa Plastics

- Formosa Plastics



Powder & Pellets on Shore



PELLETS IN VEGETATION



Powder on Vegetation



Powder on Lavaca Bay



Sample of pellets



Bagging Sample



- 🌐 Time
- 🌐 Place
- 🌐 Wind direction

Evidence taken to trial



2,422 PELLET/POWDER SAMPLES TAKEN ON BAYS, BEACHES, SHORES, AND CREEKS OF CALHOUN COUNTY BETWEEN JANUARY 31, 2016—MARCH 5, 2019

*The following samples #1-88 were handed over by Ronnie Hamrick to Diane Wilson on June 3, 2016 at approximately 12 noon at the Port Lavaca Marina. Unless stated otherwise all samples are pellets. (photos taken)

- #1 1/31/16 (9:40am) Marina, Port Lavaca
- #2 1/31/16 (10:20am) Black Rock, Port Lavaca
- #3 1/31/16 (11:00am) Black Rock, Port Lavaca
- #4 1/31/16 (11:30am) MLK Jr. Drive/Commerce St., Port Lavaca
- #5 2/5/16 (11:45am) Lone Star RV Park area, Port Lavaca
- #6 2/8/16 (2:45PM) Light House Beach, boat ramp, west side of bird walk, Port Lavaca
- #7 2/10/16 (1:45pm) Holiday Inn Express, left side of causeway, Port Lavaca
- #8 2/12/16 (1:07pm) underneath causeway, Point Comfort side, left side of causeway
- #9 2/14/16 (12:51PM) Port Lavaca Marina, right side of boat ramp,
- #10 2/16/16 (2:47Pm) Port Lavaca Marina, right side of board walk
- #11 2/17/16 (10am) Black Rock, Port Lavaca
- #12 2/17/16 (11am) Marina, Port Lavaca
- #13 2/17/16 (12 pm) Lone Star RV park, Port Lavaca
- #14 2/17/16 (1PM) Cox Creek, right side heading N 35, Point Comfort
- #15 2/22/16 (12:15PM) Cox Creek, Point Comfort
- #16 4/13/16 (12:40pm) Marina, boat dock. Port Lavaca
- #17 4/13/16 (1:30pm) Cox Creek, in truck ruts on ground, Point Comfort
- #18 4/13/16 (2pm) drainage ditch, concrete culvert, east 2143, Cox Creek, Point

Legal “Sunshine” Team (Texas Riogrande Legal Aid)



San Antonio Bay Estuarine Waterkeeper

wilsonalamobay@aol.com

www.nomorenurdles.org

