

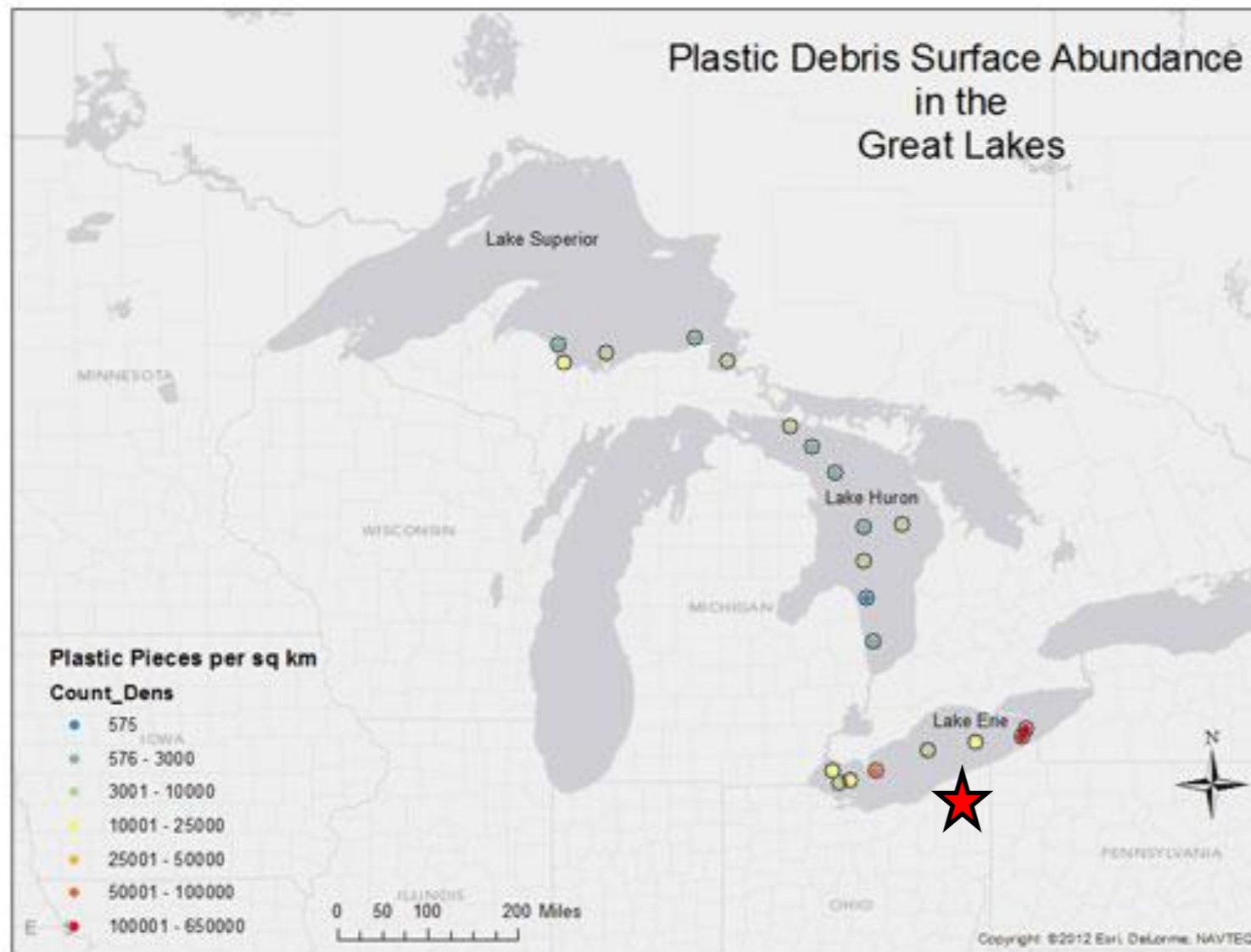


RES POLYFLOW™
RENEWABLE ENERGY SOLUTIONS

UNEP GLOC-2
October 3, 2013



This Is An Issue That Confronts Us All Where We Live



5 Gyres Institute



Microbeads from Cosmetics Disposal in Great Lakes

Placemaking 101



Yet We Tend To Put Things Into Tidy Boxes

Resin Code	Core Polymer Component	Common Examples
1	PET / PETE polyethylene terephthalate	Water / Soda / Juice Bottles, Food Packaging
2	HDPE high density polyethylene	Milk Jugs, Rigid Bottles, Yoga Cups, Paint Buckets, Grocery Bags
3	PVC polyvinyl chloride	Blister Packaging, Plumbing, Outdoor Furniture, Pools
4	LDPE/LLDPE low density polyethylene	Foam Wrap, Bubble Wrap, Stretch Wrap, Sheet Film
5	PP polypropylene	Jar Lids, Bottle Caps, Tarpaulins, Housewares
6	PS polystyrene	Styrofoam, Packing Peanuts, Dinnerware, Cups
7	Other complex	Tires, Carpet, Hose, Toys, Shoes, eWaste, ASR, Belts

SPI Resin Code Chart



And Surround Ourselves With Human Centered Solutions

Single Stream Recycling

Dirty MRFs Landfills Litter

Export Conversion Split Stream

Recycling Upcycling Reuse

Downcycling Zero Waste Green

Chemistry Pay To Throw EPR

Closed Loop



Here Is RES Polyflow's Solution



Perry, Ohio facility

- 60 Tons of End Of Life Plastic per Day per Vessel
- 288 barrels of Light Hydrocarbon Rich Fuel Created per Day per Vessel
- Small footprint, less than 5 acres required
- Scalable



Unfortunately, We are An Early Stage / Land Based Energy Recovery Technology

Fortunately, We Offer Huge Promise
(like everyone on this panel)





So What Do We Do In The Meantime?



Dream Design Collaborate Share



Dream

Landfill = btu warehouse
Ocean = btu warehouse with
conveyers



“The first signal of human intention is design” ~ William McDonough



Boyan Slat - Ocean Cleanup Foundation

<http://boyanslat.com>

biomimicry



Manta Ray - Nature



Collaborate

Hyperlocally





Share

Talk About What You
Learned This Week



Thank You

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Dream Design Collaborate Share