

DH-informed  
eco(&tc)critical art practice



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**convenience.**

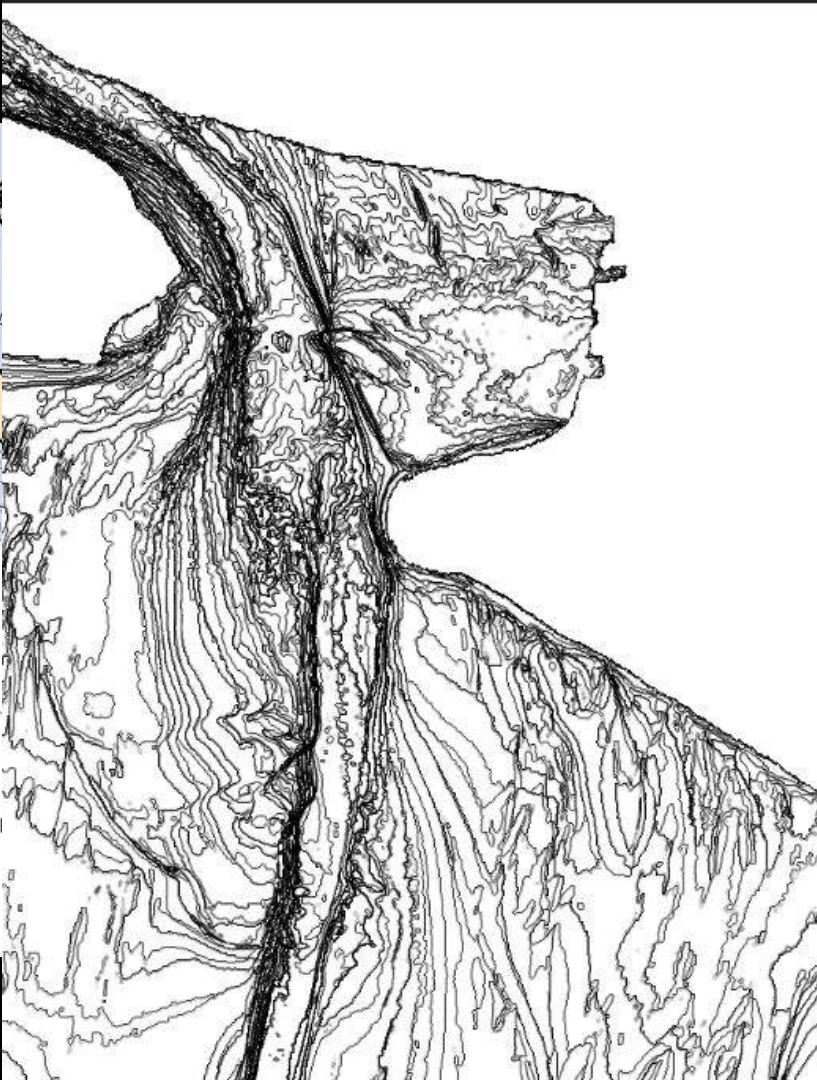
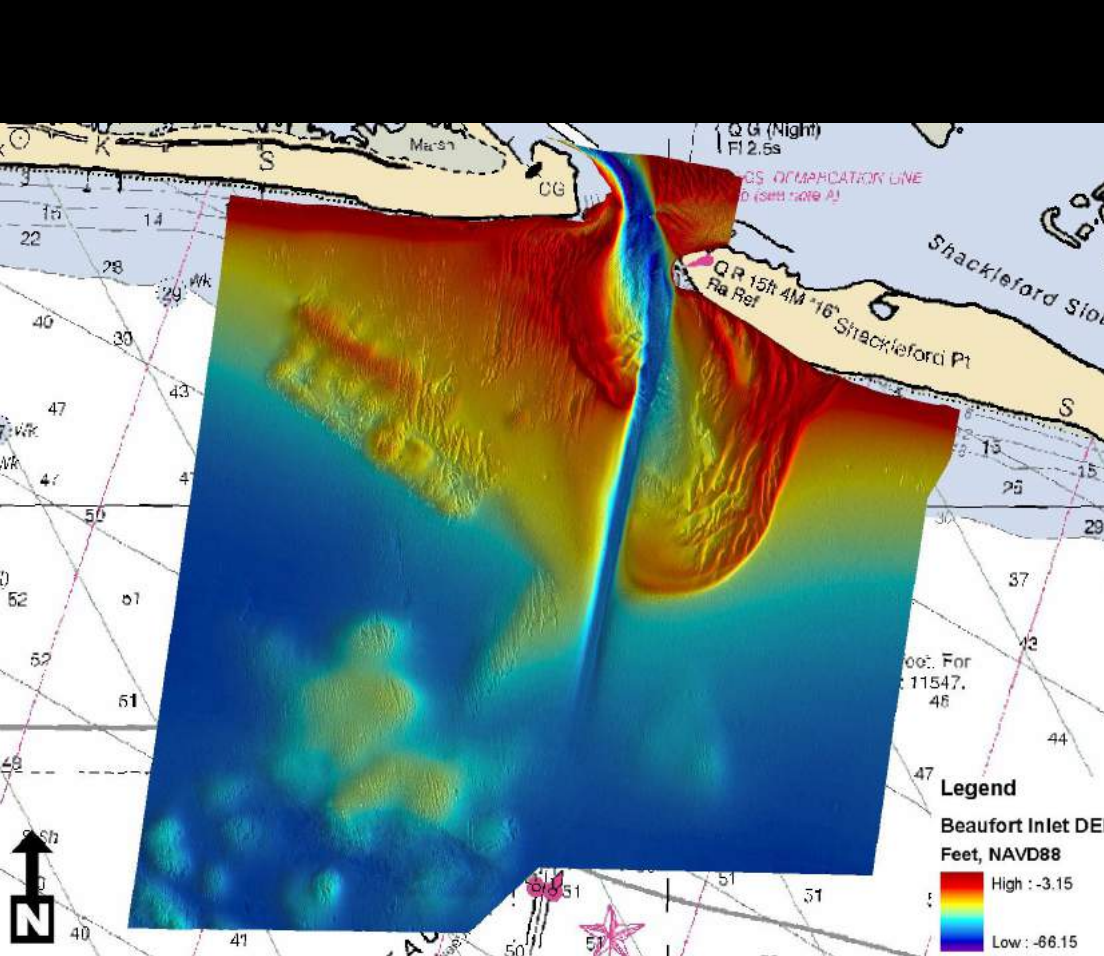
## *evolution of a multi-valent art practice*

- traditional object-based works
- subversions & interventions
- workshops & social/collaborative practices

- surfacing the invisible and overlooked
- complicating assumptions about... everything
- reframing dialogue about our digital selves and prostheses

## *Beaufort Channel*

- bathymetric data scraped & analyzed
- survey of historical practices in the channel
- digital & traditional fabrication  
(CNC milling, laser cutting, mold-casting)





## *Smart device ingredient labels*

- survey of existing / available information
- devise intervention
- deploy in-world & via interactive web access



## COMPONENT FACTS

Serving Size 1 Device (appx. 135 g)

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Amount Per Serving

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**Energy Use** 6331.5 MegaJoules/avg. lifespan  
(equivalent: 48 gal. gasoline)

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**Stainless Steel** 33.5 g

(Iron, Chromium, Silicon, Nickel, Carbon, Nitrogen, Manganese, Tantalum, Niobium)

**Glass** 26 g

(Silica, Potassium Nitrate, Sodium, Tantalum, Lead)

**Battery** 24.5 g

(Lithium Manganese Oxide, Graphite, Hard Carbon, Lanthanum)

**Circuit Boards** 19.5 g

(Silicon, Aluminum, Copper, Silver, Gold, Oxygen, Antimony, Phosphorous, Gallium, Arsenic, Tin, Lead, Beryllium)

**Plastics** 15.5 g

(Epoxy resins, Polycarbonate, Carbon Fiber)

**Display** 12.5 g

(Praseodymium, Gadolinium, Terbium, Yttrium, Indium, Tin, Oxygen, Lanthanum)

**Microphones, Sensors, Etc.** 3.5 g

(Neodymium, Lanthanum, Erbium, Niobium, Tantalum, Aluminum, Gold, Silver, Tungsten)

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**Recyclable Materials:** All, variable effectiveness

**Non-Renewable Materials:** All

**Possible Conflict Minerals:** Tantalum, Gold, Tungsten, Tin

## *SneakerNet*

- web platform & digital "kit"
- physical zine
- workshop

tape drives, floppy disks, cassettes, hard drives, sd cards

How to!  
transfer  
: INFORMATION:  
Without an  
Internet  
Connection...

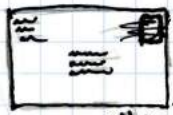


walk it next door...

shared safety deposit box



carrier pigeon!  
or squirrel?



SNAILMAIL



message in a bottle

vacuum tubes!



Kite

CHRISTMAS LITES + MALIK MARKER

inside an extremely



apocryphal RUBIK'S CUBE  
USB sticks swapped in  
secret codebook  
by plane  
(OR BIPLANE...)

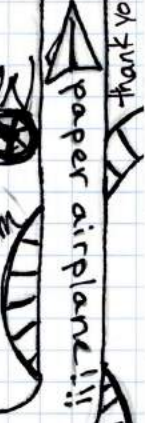
HAVE A CONVERSATION

Slingshot or catapult if you're fancy!



in a car full of drives in your pockets or your pack!

elaborate pulley system



paper airplane radio

on a train

PASSING NOTES IN CLASS

cats with piggybacks on their collars



trained rats!

RADIO NUMBERS STATION!

Thank you: SARAH, ALISHA, AMY, COLLINA

## *workshops & teaching practice*

- Take-it-Apart(y)
- Fix-it Clinic
- Plastic Machines ([preciousplastic.com](http://preciousplastic.com))



**IT'S AN**

**EDUCATION TOOL**

## Take it Apart(y)

- Provides space for curiosity
- Removes “productivity” goals
- Opens objects to direct interrogation



## Take it Apart(y)

- *Diminishing fear of the 'black box'*
- Increasing self-repair confidence
- Increasing likelihood of recycling, reusing, keeping devices longer

MY ENGINE'S MAKING A WEIRD NOISE. CAN YOU TAKE A LOOK?

SURE, JUST POP THE HOOD.

OH, THE HOOD LATCH IS ALSO BROKEN.

OK, JUST PULL UP TO THAT BIG PIT AND PUSH THE CAR IN. WE'LL GO GET A NEW ONE.



I'M SURE THE ECONOMICS MAKE SENSE, BUT IT STILL FREAKS ME OUT HOW QUICK COMPANIES ARE TO REPLACE COMPUTING DEVICES INSTEAD OF TRYING TO FIX THEM.



# *Voluntary De-Convenience*



**Jason Koebler** ✓

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Follow



the single best iPhone-related thing you could do for the environment is to not buy a new iPhone

1:22 PM - 12 Sep 2018

67 Retweets 212 Likes



12

67

212



# *Voluntary De-Convenience*

a performative behavioral research & modification project



## *Voluntary De-Convenience*

What would it take for you to trade me your  
smartphone for a flip phone?