spill?

Everyone has doubts and concerns about the polluting that took place, and how the fish and shrimp and crabs may have been affected by it, and the [lack of certainty] that what we're eating is safe. I think people down here still have some concerns about that I mean, we check what we catch, and of course if there was any kind of stench from it we wouldn't eat it, but still -- who knows how much of that is in the system, and in the area down here? Everybody had those concerns.

### Has it stopped you from eating certain types of seafood?

Everybody pretty much, for a period of time, stopped eating the seafood because no one really knew. You know, even though you might get something that may not smell like oil, they used all those dispersants in the water out there and who knows how much the crabs and shrimp and the fish ingested, and what it did to them, and what it would do to us eating it. We were very careful with what we were eating and where we got seafood from. Really, for a while we didn't eat anything; we didn't even have our crab traps down to catch anything because there was just that uncertainty.

## What are your suggestions for

restoration/recovery of this area?

BP Oil Spill was one project which to eat, since he was still collecting to document the effects of oil on May 1 and July 31, over 2,200 volun- i protecting people if you inteneer hours, 20 outreach trips, and the support of 46 volunteers was expended towards publi- cizing the Oil Spill Crisis Map -- an Ushahidi report spill impacts and to gather reports. To this end, 1,595 reports were collected during this period, but only 17% of them were reported directly by residents -- a relatively sparse portrait of the disaster, and far too little for an accu- rate needs that the Louisiana Bucket Brigade voiced was that the difficulty of ver- : not only protects all these homes, ifying reports meant that it could potentially be used to misrepresent the effects of the spill.

> and its developers are adapting to these chal- lenges. But the promise mapping kit: cheap, participatory, 'hacker' tools which produce excellent, legible, and independently

Missis- sippi River like they are proposing ... it would bring a lot of of wetlands in Barataria and eshwater into this marsh area ... so it would basically be a freshwater area versus a brackish or saltwater area. Which when that happens, your not going to have the crabs, the shrimp, the fish down here.

## Can you talk about the flood gate issue that you all are working on

A couple of years ago, it came to the attention of landowners down what's already here, and all it does here that the Corps of Engineers wants to build around this whole subdivision area and the marina. Currently we have a private four foot levee that is owned by citrus lands and what the Corps is looking to do is appropriate that land through the parish.

When this land was approved through local governments, it was approved for development for residential areas. At that time when all this was taking place and the approvals were being done by the various government agencies, it was mandated by the national flood insur- ance program, which now is an arm of FEMA, that in order for people to build a house down here, they had to build up on piling and it had to be eight feet above mean sea level, which is basically four foot. So we all had approvals to do this. Now, based on the flooding

that took place after Hurricane Katrina, the Appropriations Committee of the United States Congress has approved the Corps to come in and build levees to give flood protection -- originally it was 100-year flood protection. We were [then] told by the Corps that this area would not be included in that flood protection basically because of them trying to use the existing levee structure that's

Which means that all the people that have bought all this property out here -- some have built homes, some have not yet -- about 300 home sites -- will be left outside of the levee protection. So what will happen is any storm that comes into the Gulf and pushes storm surges in through Barataria Bay -- that will come in through Wilkinson Canal which will increase the flooding of all this area

So how does this make you feel -- that the federal government is trying to proceed with plans without taking into account the

They say that they are doing this under the guidelines of protectthem outside of a levee protection system and flood them. Now, we proposed to the Corps back in 2009 a plan to construct a

the Wilkinson Canal, which will protect all of us here as well as the marina. It but it also gives a safe harbor to the fishermen that are south of us; down in Empire, down in Port Sulphur, and even further down in Buras. It gives them a safe its totally changed everything that haven to bring in their ships, their hurricanes and from the devasta-

### When people ask why you live here, what's your response?

tion that they saw during Hurri-

cane Katrina.

When this land was approved for development, and approved for sale for residential develop- ment, everyone that purchased a lot, whether they lived here full time or not, built down here knowing that we were building behind a four foot private levee. I can pretty much guarantee you that if these three hundred people and businesses that had purchased property here knew that there would be a 12 foot levee going up number one, no one would have bought the land, and second of all, they would definitely have built up higher.

### So this is like what has happened with the MRGO?

Exactly, and that's what we are trying to stress in the communication we are developing -- they are creating a mini MRGO. The floodgate [counter-proposal] gives this area and even areas south of us a place where they could have a base of operations for emergencies, like with the BP oil spill. They had for a period of time a base of operations here, helicopters and boats were able to get in and out, medical people were able to get in and out. Can you talk about why the

Shannon Dosemagen had a chance in May 2011 to speak at length with Barbara Marcotte, a resident of Myrtle Grove, Louisiana, about the Wilkinson Bay area as well as the broader environmental threats to the region. Here we've printed excerpts from that interview, but the full transcript can be found at: http:// publiclaboratory.org/wiki/barbaramarcotte-interview

#### Barbara can be contacted at: barbsmar@bellsouth.net.

#### When you think about Barataria, what comes to mind?

It's the fishing that we are blessed and have the fortune to be exposed to and to utilize on a daily basis; out here we can fish, you can shrimp, you can crab, you can duck hunt. So you're able to enjoy everything that is afforded to the residents of Louisiana, which is why we're called the Sportsmans Paradise. It is a paradise for people who enjoy those types of activities I want. We catch redfish off our outdoors.

## -- how has this bay been a part of your family's history?

Well, I have to go back on my husbands life because he has fished and hunted down here since he was a child. The family of a friend of his had a hunting camp down on Wilkinson Canal -- a little fishing camp -- so he would come down with them on weekends and at oth-

Editorial: Reimagining the Data Lifecycle

er times of the year. They would go out and fish and they would trawl; catch their shrimp and crabs and do their boils. They'd go out and duck hunt in the morning and then oil from being brought in on the fish in the afternoon. . . . And if all these wetlands aren't protected, not only just restored, but protected the way that they are now, then in the end all these things you in through Barataria Bay and the enjoyed and valued your whole life Wilkinson canal. So we had a lot will go away -- not all, but a lot of it of activity going on that we were will go away.

### Can you tell us about the kind of fishing people do here?

There are a lot of people -- mainly I guess commercial fishermenthat put their traps out along the Wilkinson Canal, out in Bara- taria Bay, and a lot of the other little bays and lakes around here. I can put little crab traps down off my dock and catch crabs right there from my dock. At different times throughout the year, I can fish off my dock, and catch all the trout dock, and sometimes we can throw the oil. So who knows what effect a cast net out and catch shrimp, I You've been here for about 30 years mean... not last year because of the oil spill, but the year before that we were catching 15-20 count shrimp (which is nice cookable-sized shrimp) right off the dock. That's one of the things, you know, why we all bought land and built here.

> What is your take on the impact of the spill? Have you noticed or heard about changes to the area?

why he should trust government

statements that seafood was safe

Where does data come from, and where does it go? Knowing the conditions under which data is produced, and the agenda of its authors, vast affects how well we trust it -- one need look no further than the discord trig gered by the diverse studies of the BP Oil Spill, or the controversies around the contamination of Brooklyn's Gowanus Canal. In most cases, though, we're guilty of not asking hard enough questions: as information consumers, and especially as designers. Natalie Jeremijenko hit the nail on the head in her critique of our recent obsession with Alkylated PAHs and Oil Range data visualization:

...the designers of these types of projects use extant data sets from the EPA, from the Toxic Relief Inventory, federal databases, and do so without criticism, without asking how the data is generated, who collected it and under what conditions. ally represent?"

What is lacking is not legibility, but trust. At a Summer 2010 town hall meeting in Buras, Louisiana, a fisherman with a bottle of oil in hand stood up and demanded

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## **Meet the Mappers:** Mappers

A report released by the Louisiana Bucket Brigade, a New Orleansbased environmental group, finds that 64.1% of survey respondents in three of the coastal Louisiana communities were concerned about the safety of their seafood in Fall 2010, and the Louisiana Environmental Action Network has released numbers identifying Organic Petroleum Hydrocarbons in seafood samples from areas they tested. Yet -- disregarding local knowledge and concern -- the government maintains that Gulf Coast seafood is safe.

The solution, we believe, is for local communities to produce their own high-quality data. We in Canal with balloon photography. That is, what does the data actu- the Grassroots Mapping community have worked since May 2010 to gather such data; information that can potentially bridge the gap between independent citizen-led data and that of sources such as NOAA. Rather than producing alluring visualiza- tions of existing ing platform Ushahidi during the

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What is lacking is not legibility, but trust. At a Summer 2010 town hall meeting in Buras, Louisiana, a fisherman with a bottle of oil in hand stood up and demanded why he should trust government statements that seafood was safe to eat, since he was still collecting oil from the bayous that he fished. A report released by the Louisiana Bucket Brigade, a New Orleansbased environmental group, finds safety of their seafood in Fall 2010, and the Louisiana Environmental Action Network has released numher critique of our recent obsession with bers identifying Alkylated PAHs and Oil Range Organic Petroleum Hydrocarbons in seafood samples from areas they tested. Yet -- disreof projects use extant data sets garding local knowledge and confrom the EPA, from the Toxic cern -- the government maintains that Gulf Coast seafood is safe.

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have worked since May 2010 to gather such data; information that can potentially bridge the gap between independent citizen-led data and that of sources such as NOAA. Rather than producing alluring visualiza- tions of existing data, we've 🗄 and what the impact would be, been working with Gulf Coast residents in the field to document the

do-it-yourself aerial photography. For less than \$100 in parts, we beaches to take tens of thousands wetlands, and the birds, fish, and plants threatened by the disaster -at far better resolution than Google them to document a variety of environmental crises -- in Brooklyn, for example, a new Grassroots Mapping chapter has recently begun monitoring cleanup efforts of data is generated, who collected local communities to produce their the Gowanus Canal with balloon

Raessi. Lendit, quat

that have said there are other ways to bring in the sand to build up the marshes and that is a different process than what the Corps is proposing. I've heard a lot of negative comments about how the Corps wants to do it, versus what other people suggest who have fished, and lived, and hunted, and

## people that live down here -people that fish down here for a living -- about there now. the freshwater intrusion if they bring water in from the river. There are people

used the land their whole lives. From what I'm understanding, if they start pumping in from the

faced such challenges. Between For less than \$100 in parts, we use map -- as a way to independently assessment. One of the worries

Ushahidi is an innovative tool of engaging with local communities boats, to protect them from the as full actors in seek- ing environmental justice has recently driven a group of us Grassroots Mappers to begin invent- ing new tools, based on the spirit of our balloon

helium balloons and kites to send cameras to over a thousand feet, and stitch the resulting images into high-resolution maps. Over a hundred volunteers have hit the beaches to take tens of thousands of photos, depicting slicks, oiled wetlands, and the birds, fish, and plants threatened by the disaster -- at far better resolution than Google Maps. As we have refined these tools, new groups have adopted them to document a variety of environmental crises

-- in Brooklyn, for example, a new Grassroots Mapping chapter has recently begun monitoring cleanup efforts of the Gowanus We are concerned that, to date, much of so-called citizen science treats people like mere data points. "Crowdsourc- ing" often emphasizes data consistency, and asks a face- less public to "submit" reports. The use of the crowdsourc-

# own high-quality data. We in the Grassroots Mapping community

effects of oil on shorelines -- with use helium balloons and kites to send cameras to over a thousand that 64.1% of survey respondents in feet, and stitch the resulting images three of the coastal Louisiana com- into high-resolution maps. Over munities were concerned about the a hundred volunteers have hit the of photos, depicting slicks, oiled Maps. As we have refined these tools, new groups have adopted

and go, they know how the storms affect this area, they provide a lot of valuable information and a lot of valuable ways that they can accomplish what they want to do without destroying the things that we do -- the fishing, crabbing, shrimping. There's one gentleman -- I think the organization he's with is from the Lafitte area -- and he talked about how the Corps did a in that area of the waters and how its changed everything down

what would you like to tell to somebody who's not from around here?

Get informed, talk to the organizations and the people down here. What I would hope is that people will hear all sides of it, and hopefully promote peoples interests enough that they want to come

down here and help us fight for what we've all been able to enjoy, just like they would want in areas that they lived in.

## Anything else you'd like to add?

If people want to know more and help with our fight -- to help our community, they can contact me at barbsmar@bellsouth.net. Help us fight for the protection we deserve, just like the rest of Plaquemines parish, Louisiana or the entire United States. We're looking for any and all help we can get.

there from being brackish water to freshwater. So they have no more trout, they have no more redfish, croakers, flounder,

they don't have drum fish that they can catch, sheephead, and eat anymore. Its all the freshwater;

the bass and I don't know all the freshwater fish there are, but that's what they're stuck with now. So they grew up being able to do. Knowing this area as you do,

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# down here. way that residents feel? ing people. Well, you're not

#### I can say, through some num nullamet loreet, of the meet- ings qui tate deliguatis I've been to, I've heard a lot of nosto core dunt nulconcerns fron am, coreet nostrud nolenim alissit dolut wis accumsan ut iure et vent luptat. Ut lo-

vou could smell that will have on your health, today, tomor- row, five years from now or in the future. That greatly effected our ability to crab and shrimp and fish because they closed -- basically at a certain point in time everything was closed off from fishing. What do you think about the way

the cleanup was handled? Do you

differently about the Bay since the

find yourself thinking or feeling

data, we've been working with

Gulf Coast residents in the field

aerial photography.

We did notice some oil com-

ing into the area, and BP came

and put the oil booms up on all

the canals around here to stop

boats coming in and out. At one

time this was a main hub for BP

to combat the oil from coming

exposed to, you know, not only

from the workers coming in and

out all the time, trying to fight the

oil from coming in, but some oil

did come in to

some of the indi-

We had that

threat, but also

we don't know

what it's going to

do to our health.

You could stand

on your porch

some days and

the area -- into

vidual canals.

and the Disaster Recovery Center

of this area? That's our first line of defense -- going down to the first line of barrier islands in the Gulf. Through the years of the oil companies being able to dredge for oil out in the Gulf, you know, just like the MRGO, they've had to make canals to get in and out to get various rigs set up, even out here in Barataria Bay. Just like the MRGO, it gives no protection to is it allows more intrusion of salt water into these areas that eat the marshlands. When you build the barriers out there and you have these lines of defense, it helps stop that storm surge from coming in. And every time that storm surge comes in, it deteriorates what we do have left -- washes it out. So by having those barrier islands, those lines of defense, it helps protect

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canal areas and these small bits

the Bay Wilkinson area are so

important to the pro- tection

the marshlands that are closer in

the least impactful to the shrimp,

crabs and fish that are down here

from eroding.

in these areas.

erode further?

What happens if those protections More devastation. On top of the fact that we're losing our coastline, we're losing valuable land. Building up those barrier islands will give us an opportunity to rebuild all this wetland through various projects. There are various ways to rebuild it and its looking at the smart way to do it and

What hopes do you have for the future of this area? Are there any positive outcomes that you can imagine in the wake of the oil

I would hope that the Corps of Engineers and any of the other organizations, government or otherwise, that are involved in this, listen to the people that have been down here, lived here, fished here, and camped here their whole entire lives and even their parents lives, for generations. Because they know how these waters are, they know how the tides come

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> The Public Laboratory for Open Technology & Science

The Public Laboratory for Open Technology and Science (PLOTS) is a community which develops and applies open-source tools to environmental exploration and investigation. By democratizing inexpensive and accessible "Do-It-Yourself" techniques, Public Laboratory creates a collaborative network of practitioners who actively re-imagine the human relationship with the environ- ment. The core PLOTS program is focused on "civic science" in which we research open source hardware and software tools and methods to generate knowledge and share data about community environmental health. Our goal is to increase the ability of underserved communities to identify, redress, remediate, and create awareness and accountability around environmental concerns. PLOTS achieves this by providing online and offline training, education and support, and by focusing on locally- relevant outcomes that emphasize human capacity and under- standing.

## Contribute!

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This is the first in a series of maps which the Public Laboratory is publishing — subscribe or buy more copies at: http://publiclaboratory.org/subscribe

Every month we will print a new grassroots map, with interviews, commentary, and updates on recent trips and events. Submissions are welcome; send them to: submissions@publiclaboratory.org

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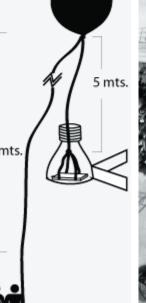
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## Grassroots Mapping



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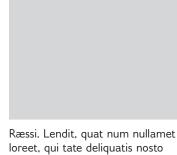
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