

Shaik, Amzad

From: Swanson, Cheryl
Sent: Monday, June 01, 2020 14:56
To: Lurding, Kathleen; Watts, John
Cc: Shaik, Amzad; Ayres, Joshua
Subject: RE: Mystery material washing up

I just received the stickers. Thank you, all.
Cheryl

From: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>
Sent: Monday, June 01, 2020 2:55 PM
To: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Watts, John <John.Watts@FloridaDEP.gov>
Cc: Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>
Subject: RE: Mystery material washing up

Cheryl – your jobs and samples have been added.

Thank-you Amzad!

Kathy

From: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>
Sent: Monday, June 1, 2020 1:19 PM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: Mystery material washing up

RQ-2020-05-25-27
NW-DIST-2020-05-27-01

Can jobs be added to this event for these tests:

ALGAL-ID

PCR-HF183

PCR-HUMM2

SDMNT-AFDW -- We may end up removing this test if we don't have enough material.

Event: NW-DIST-2020-05-27-01 with Status: V

Reports Certified: None
Perdido Bay Foam Complaint

Request ID: RQ-2020-05-25-27 Customer: NW-DIST

Project: SPPROJECTS

PMAS:

Event: NW-DIST-2020-05-27-01					
Job: TLH-2020-05-27-32		Sample ID	Text ID	Status	Date Sampled
Sample: 2173298		2173298	TLH-2020-05-27-32-01	V	26-MAY-2020 11:23
Sample: 2173299		2173299	TLH-2020-05-27-32-02	V	26-MAY-2020 11:00
Sample: 2173300		2173300	TLH-2020-05-27-32-03	V	26-MAY-2020 11:15
		Date Complet.			

From: Whiting, David D. <David.D.Whiting@dep.state.fl.us>
Sent: Monday, June 01, 2020 12:33 PM
To: Topolski, Marek <Marek.Topolski@FloridaDEP.gov>; Wright, Colin <Colin.Wright@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>
Subject: RE: Mystery material washing up

If we have enough sample, we should probably analyses for our DNA markers of sewage (HF183, HUM2). There might be some more hydrophobic pharmaceuticals we could look for, but we might see low levels even in natural organic matter, so we'd have to have compare the results back to some literature values for what one might expect in sewage.

Dave

From: Topolski, Marek <Marek.Topolski@FloridaDEP.gov>
Sent: Monday, June 1, 2020 12:19 PM
To: Wright, Colin <Colin.Wright@dep.state.fl.us>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>
Subject: RE: Mystery material washing up

For two of the samples we still have about half of the 500 mL jar and the third sample is much less than that. Less than a quarter, I would say.

Marek Topolski
Chemist Specialist
Florida Department of Environmental Protection
Chemistry Section
2600 Blair Stone Rd, MS 6510
Tallahassee, FL 32399-2400
850 245 8132

From: Wright, Colin <Colin.Wright@dep.state.fl.us>
Sent: Monday, June 1, 2020 12:17 PM
To: Topolski, Marek <Marek.Topolski@FloridaDEP.gov>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>
Subject: Re: Mystery material washing up

About what amount of sample do we have?

From: Topolski, Marek <Marek.Topolski@FloridaDEP.gov>
Sent: Monday, June 1, 2020 11:00 AM
To: Wright, Colin <Colin.Wright@dep.state.fl.us>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>; King, Michael

<Michael.King@dep.state.fl.us>; Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>; Swanson, Cheryl
<Cheryl.Swanson@FloridaDEP.gov>
Subject: RE: Mystery material washing up

I believe BNA test was also added to these samples and they may be extracting today

Marek Topolski
Chemist Specialist
Florida Department of Environmental Protection
Chemistry Section
2600 Blair Stone Rd, MS 6510
Tallahassee, FL 32399-2400
850 245 8132

From: Wright, Colin <Colin.Wright@dep.state.fl.us>
Sent: Monday, June 1, 2020 10:54 AM
To: Whiting, David D. <David.D.Whiting@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Espy, Julie
<Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>; Swanson, Cheryl
<Cheryl.Swanson@FloridaDEP.gov>; Topolski, Marek <Marek.Topolski@FloridaDEP.gov>
Subject: RE: Mystery material washing up

Indeed it is, I see it now. When Cheryl's analyst confers with Marek they can work out if there is enough for that test also.
Colin

From: Wright, Colin
Sent: Monday, June 1, 2020 10:52 AM
To: Whiting, David D. <David.D.Whiting@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Espy, Julie
<Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: Mystery material washing up

Is that a Biology test? It's not something Chemistry does.
Colin

From: Whiting, David D. <David.D.Whiting@dep.state.fl.us>
Sent: Monday, June 1, 2020 10:48 AM
To: Wright, Colin <Colin.Wright@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Espy, Julie
<Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: Mystery material washing up

I thought we did that in house using the muffle furnace?

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Wright, Colin" <Colin.Wright@dep.state.fl.us>

Date: 6/1/20 10:47 AM (GMT-05:00)

To: "Whiting, David D." <David.D.Whiting@dep.state.fl.us>, "King, Michael" <Michael.King@dep.state.fl.us>, "Espy, Julie" <Julie.Espy@dep.state.fl.us>, "Hogue, Alicia" <Alicia.Hogue@FloridaDEP.gov>

Cc: "Lurding, Kathleen" <Kathleen.Lurding@dep.state.fl.us>, "Watts, John" <John.Watts@FloridaDEP.gov>

Subject: RE: Mystery material washing up

That would be an overflow test. I am unsure how much sample we have. I'm just about to leave for my dentist appointment so will be offline until after lunch. I'll have Marek take a look and assess how much we have spare.

John – can you see if Pace (or whichever lab we use) can perform percent organic carbon on a waste-like material, and if so, how much sample they need?

Thanks,
Colin

From: Whiting, David D. <David.D.Whiting@dep.state.fl.us>

Sent: Monday, June 1, 2020 10:40 AM

To: Wright, Colin <Colin.Wright@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>

Subject: RE: Mystery material washing up

I had suggested we analyze for % organic as well.

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Wright, Colin" <Colin.Wright@dep.state.fl.us>

Date: 6/1/20 10:38 AM (GMT-05:00)

To: "King, Michael" <Michael.King@dep.state.fl.us>, "Whiting, David D." <David.D.Whiting@dep.state.fl.us>, "Espy, Julie" <Julie.Espy@dep.state.fl.us>, "Hogue, Alicia" <Alicia.Hogue@FloridaDEP.gov>

Subject: RE: Mystery material washing up

We have scheduled our Florida Pro test (to look for petroleum hydrocarbons) and our BNA test (a general sweep for potential organic contaminants).

Colin

From: King, Michael <Michael.King@dep.state.fl.us>

Sent: Monday, June 1, 2020 10:28 AM

To: Whiting, David D. <David.D.Whiting@dep.state.fl.us>; Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>

Cc: Wright, Colin <Colin.Wright@dep.state.fl.us>

Subject: Re: Mystery material washing up

I just wanted to share that this issue has hit the news. Also the Northwest District Director has asked what analytes we have determined to run for the sample we took last week.



WKRG Debbie Williams

13 hrs · 🌐



UPDATE: Test results are in. Mobile Baykeeper says the results are "off the charts" for fecal matter in the water of Perdido Bay.

While it is algae floating in the water, it is loaded with fecal matter.

An acceptable score for safe swimming is 102 water samples collected Friday scored more than 24,000.

Mobile Baykeeper will re-test next week.

Here is the link to the original story posted Friday.

<https://www.wkrg.com/baldwin-county/whats-in-the-water-of-perdido-bay/>



From: "Whiting, David D." <David.D.Whiting@dep.state.fl.us>

Date: Tuesday, May 26, 2020 at 6:30 AM

To: "King, Michael" <Michael.King@dep.state.fl.us>, Julie Espy <Julie.Espy@dep.state.fl.us>, "Hogue, Alicia"

<Alicia.Hogue@FloridaDEP.gov>

Cc: "Wright, Colin" <Colin.Wright@dep.state.fl.us>

Subject: RE: Mystery material washing up

Mike,

You can schedule % Organic and Colin and I will discuss what else we will look at.

Thanks,

Dave

From: King, Michael <Michael.King@dep.state.fl.us>

Sent: Monday, May 25, 2020 9:34 AM

To: Whiting, David D. <David.D.Whiting@dep.state.fl.us>; Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>

Subject: Re: Mystery material washing up

Dave,

Emergency Response will be collecting a sample on Tuesday if still present and I will ship it off to the Lab. When creating the RQ is there an analysis I should choose initially for receiving or just let John Watts know we are sending these?

Thanks,

Mike K.

From: "Whiting, David D." <David.D.Whiting@dep.state.fl.us>

Date: Friday, May 22, 2020 at 3:09 PM

To: "King, Michael" <Michael.King@dep.state.fl.us>, Julie Espy <Julie.Espy@dep.state.fl.us>, "Hogue, Alicia" <Alicia.Hogue@FloridaDEP.gov>

Subject: RE: Mystery material washing up

If you have someone that can grab several small samples in separate 250 mL glass jars, we can take a look at it when staff return to the lab next week, but I'm not sure how we would analyze it until we see it.

Dave

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "King, Michael" <Michael.King@dep.state.fl.us>

Date: 5/22/20 4:00 PM (GMT-05:00)

To: "Whiting, David D." <David.D.Whiting@dep.state.fl.us>, "Espy, Julie" <Julie.Espy@dep.state.fl.us>, "Hogue, Alicia" <Alicia.Hogue@FloridaDEP.gov>

Subject: Re: Mystery material washing up

The affected area was approximately 50 meters

From: Whiting, David D. <David.D.Whiting@dep.state.fl.us>
Sent: Friday, May 22, 2020 2:32 PM
To: Espy, Julie; King, Michael; Hogue, Alicia
Subject: RE: Mystery material washing up

How extensive is the affected area? Without seeing the pictures or a better description, it's hard to say whether we or OER should respond.

Dave

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Espy, Julie" <Julie.Espy@dep.state.fl.us>
Date: 5/22/20 3:28 PM (GMT-05:00)
To: "King, Michael" <Michael.King@dep.state.fl.us>, "Hogue, Alicia" <Alicia.Hogue@FloridaDEP.gov>
Cc: "Whiting, David D." <David.D.Whiting@dep.state.fl.us>
Subject: RE: Mystery material washing up

The pics didn't come through, but the answer is Yes. Our first priority for sampling is algal blooms or this kind of response. Jeremy and them have done some of this sampling.
Dave, can you advise these guys? Thanks!

Julie

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Friday, May 22, 2020 3:17 PM
To: Espy, Julie <Julie.Espy@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Subject: Re: Mystery material washing up

Julie and Alicia,

Please see attached email chain and advise if we have the lab capability to offer support in this district complaint. Our group hasn't had any training or guidance on collecting foam samples so Let me know if there are protocols for that as well.

Thank you,

Mike K.

From: Whibbs, Earl <Earl.Whibbs@dep.state.fl.us>

Sent: Wednesday, April 29, 2020 4:30 PM

To: Mulkey, Nathan; Butera, Frank; King, Michael

Subject: Mystery material washing up

Hey I got a report over in the Perdido bay area of some mystery material washing ashore. I found this. The first two pics are a distinct separate material than the third pic. The third pic is some sort of petroleum based material. The material in the first two pics is what I am asking about. It appears organic. No petroleum odors associated with it. Any thoughts?

Thank you,



Joey Whibbs

Environmental Specialist

Compliance Assurance Program

Emergency Responder

Northwest District

Florida Department of Environmental Protection

160 West Government Street

Pensacola, Florida 32502

earl.whibbs@floridadep.gov

Office: 850.595.0636

Cell: 850.258.4354

Fax: 850.595.8392

State Watch Office (24/7-ER): 800-320-0519

National Response Center (24/7-ER): 800-424-8802

<https://floridadep.gov/dleer/oer>

Login Checklist

RQ- 2020 - 05 - 25 - 27

Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 05-27-2020 / 10:20

Cooler Temperature*	Samples Frozen	* All Samples In Cooler Preserved with		Number of Sample Containers In Cooler	Evidence Tape				Tracking # Damaged waybills only
		HNO ₃	Formalin		Present?	*Intact?	Yes	No	
2.4C				3		X			1278 4011 8904

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; **An NCR still is required.**

**Chain of Custody/ Field Sheet(s) Included? Yes X No

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes No X

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No X If yes, is it intact? Yes No

**Caps on tight? Yes X No **Containers intact? Yes X No

**Sufficient Sample Volume: Yes X No

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes No X Init: ABS

Chlorine detected? (One container checked per Field ID) Yes No Init: ABS

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes X No NA X Init: ABS /

**W-1-4-DIOX (Green dot on container) preserved to pH ≤ 4.0? Yes No NA X Init: ABS /

Coolers Unpacked/Checked by: ABS / Date: 05-27-2020 NCRs (Y/N)?

Event ID: NW-DIST - 2020 - 05 - 27 - 0 NCR #

Login Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	IRTG#3 EXP:11/05/20
pH Test Strips 0 – 6 Lot #	2133AV EXP:05/15/2020
pH Paper 0 – 3 Lot #	220416A EXP:07/31/2020
pH Paper 0 – 13 Lot #	208717 EXP:03/31/2020
Chlorine Test Strips Lot #	8261 2021 /07

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No x _____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Perdido Bay Foam Complaint

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: Mike King

Project ID: SPPROJECTS

Collected By: Earl Whibbs

Sampling Agency: FDEP DER

Location 1061 Perdido Manor Drive northern extent		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/26/20 Time 1023	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID Perdido Foam 1		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location 1061 Perdido Manor Drive		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/26/20 Time 1000	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID Perdido Foam 2 south of dock		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location 1061 Perdido Manor Drive southern extent		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/26/20 Time 1015	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID Perdido Foam 3		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By: Mike King	Date/Time 5/26/20	Shipping Method Fedex	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time 5/27/20 10:20
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Group: A

Bottle Type:

of Bottles: 0

Preservative:

Enter Number of Bottles Sent to Lab 3

S-FL-PRO

Date of Request: 26-MAY-2020
Created By: KING_M On: 26-MAY-2020
Modified By: AYRES_J On: 27-MAY-2020
Customer: NW-DIST
Project: SPPROJECTS
Division: Division of Environmental Assessment and Restoration
District: Northwest District
Sampling Event: Perdido Bay Foam Complaint

Send Coolers To:

Phone: 850-595-0605
160 Government Center
Suite 208
Pensacola, FL 32502-5794
Attn: Michael King

Send Final Report To:

160 Government Center
Suite 208
Pensacola, FL 32502-5794
Attn: Cheryl Bunch

Program Module Number:
Priority: 3
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: AYRES_J On: 27-MAY-2020
Biology Request Reviewed By:
Sampling Kit Required: NO Ship on:
Sampling Kit Shipped:
Sampling Kit Packed By:
Preservatives Needed: NO
Date to Receive Samples: 26-MAY-2020
Received By: SHAIK_A On: 27-MAY-2020

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Comments: Group A: Organics

Bottle Group A (Soil/Sediment/Waste) With 4 Samples:

Bottle Type: GJ-250ML Number of Bottles: 4 Preserved With: ICE
S-FL-PRO Template: DEFAULT (FL-PRO 2018) Total recoverable petroleum hydrocarbons in sediment/soil samples by GC-FID.