



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
12201 Sunrise Valley Drive
Reston, Virginia 20192

In Reply Refer To:
U.S. Geological Survey
Attention: Ms. Litsa Marinos
12201 Sunrise Valley Drive
Mail Stop 159, Room 4B105
Reston, Virginia 20192-0002

December 19, 2019

Mr. Austin Evers
American Oversight
1030 15th Street, N.W.
Suite B255
Washington, D.C. 20005
foia@americanoversight.org

Transmitted by electronic mail

Re: U.S. Geological Survey (USGS) Freedom of Information Act (FOIA) Tracking
USGS-2019-00103 – Interim Response #2

Dear Mr. Evers:

This is our second interim response to your Freedom of Information Act (FOIA) request dated April 4, 2019. You requested the following records:

1. Any records reflecting assessments of the potential or actual impact of the partial government shutdown that lasted from December 22, 2018, until January 25, 2019, on your agency's scientific research or data-collection programs—including memoranda, summaries, after action reports, final talking points, impact analyses or other internal reports for Agency leadership—including long-term consequences of the shutdown. Records addressing the potential, actual, or anticipated long-term consequences from the government shutdown on your agency's research programs should be considered responsive to this request.
2. To the extent not already included in part 1, records sufficient to identify any research programs or studies that were halted, delayed, postponed, rescheduled, canceled, impaired, or otherwise impacted as a result of the partial government shutdown that lasted from December 22, 2018, until January 25, 2019.

3. To the extent not already included in parts 1 and 2, all records reflecting communications (including email messages, attachments, and calendar invitations) regarding the halting, cancellation, or impairment of any research programs or studies as a result of the partial government shutdown that lasted from December 22, 2018, until January 25, 2019.
4. Records sufficient to identify any funds reprogrammed within your agency to mitigate any effects of the pause in federal funding from December 22, 2018, until January 25, 2019.
5. Any communications from nongovernmental groups or individuals (e.g., anyone communicating from an email address ending in .com, .net, .org, .mail, or .edu) reporting hampered research efforts, such as data blackouts, as a result of the partial government shutdown that lasted from December 22, 2018, until January 25, 2019.
6. Any resignation letters submitted between December 22, 2018, and February 1, 2019.
7. Any communications (including email messages, email attachments, memoranda, or calendar invitations) regarding the effect of the partial government shutdown on recruitment efforts at your agency, such as a decline in applications, canceled recruiting events, or other recruitment-related initiatives.

On October 11, 2019, we released to you, in full, one portable document format (PDF) electronic file consisting of 58 pages of responsive records including an Excel spreadsheet (12 KB).

Today we are releasing, to you, four portable document format (PDF) electronic files consisting of 198 pages and one Excel spreadsheet (80 KB) in part. We reasonably foresee that disclosure would harm an interest protected by one or more of the nine exemptions to the FOIA's general rule of disclosure; therefore, portions of the documents are protected from release under FOIA Exemption (b)(5) ("Exemption 5") and Exemption (b)(6) ("Exemption 6").

Exemption 5 allows an agency to withhold "inter-agency or intra-agency memorandums or letters which would not be available by law to a party... in litigation with the agency." [5 U.S.C. § 552 \(b\)\(5\)](#). Exemption 5 therefore incorporates the privileges that protect materials from discovery in litigation, including the deliberative process, attorney work-product, attorney-client, and commercial information privileges.

The information being withheld consists of conference call numbers and pass codes. The Department of Interior has determined that the numbers and pass codes constitute "intra-agency" documents because they are only shared with members of the Department or their consultants for the purpose of conducting official government business. To qualifying as "intra-agency" documents, the Department of Interior has determined that the phone numbers and pass codes qualify as "confidential commercial information" protectable by Exemption 5. When the government enters the marketplace as an ordinary commercial buyer or seller, the government's information should be protected from competitive disadvantage under Exemption 5. Exemption 5 prevails where the document contains sensitive information not otherwise available, and disclosure would significantly harm the government's commercial interest.

Here, the government entered the marketplace as an ordinary commercial buyer or private conference call numbers and pass codes. The information is “sensitive” and not otherwise available” as the numbers provide access to sensitive conversations between government employees and only the government and seller have access to the information. If the conference call numbers and/or pass codes were released, the government’s financial interest would be significantly harmed. The conference calls would no longer be private since unknown, non-governmental parties would have the ability to listen in to the calls. The funds spent on purchasing the call-in numbers and pass codes would therefore be wasted, and the conference call numbers and pass codes would be of no use. Because the release of the conference call numbers and pass codes would significantly harm the government’s financial interest by publicizing sensitive information, we are withholding them under Exemption 5.

Exemption 6 allows an agency to withhold “personnel and medical files and similar files the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.” [5 U.S.C. § 552\(b\)\(6\)](#). We are withholding 19 pages in part under Exemption 6.

The phrase “similar files” covers any agency records containing information about a particular individual that can be identified as applying to that individual. To determine whether releasing records containing information about a particular individual would constitute a clearly unwarranted invasion of personal privacy, we are required to balance the privacy interest that would be affected by disclosure against any public interest in the information.

Under the FOIA, the only relevant public interest to consider under the exemption is the extent to which the information sought would shed light on an agency’s performance of its statutory duties or otherwise let citizens ‘know what their government is up to. The burden is on the requester to establish that disclosure would serve the public interest. When the privacy interest at stake and the public interest in disclosure have been determined, the two competing interests must be weighed against one another to determine which is the greater result of disclosure: the harm to personal privacy or the benefit to the public. The purposes for which the request for information is made do not impact this balancing test, as a release of information requested under the FOIA constitutes a release to the general public.

The information that has been withheld under Exemption 6 consists of information related to employee resignations, personal cell phone numbers, personal email addresses, home addresses, and information regarding leave taken by employees. We have determined that the individuals to whom this information pertain have a substantial privacy interest in withholding it. Additionally, you have not provided information that explains a relevant public interest under the FOIA in the disclosure of this personal information and we have determined that the disclosure of this information would shed little or no light on the performance of the agency’s statutory duties. Because the harm to personal privacy is greater than whatever public interest may be served by disclosure, release of the information would constitute a clearly unwarranted invasion of the privacy of the individuals and we are withholding it under Exemption 6.

Ms. Jennifer Heindl, Attorney-Advisor, Department of the Interior, in the Office of the Solicitor was consulted.

We will provide you with your full appeal rights in our final response. By agreeing to withhold your appeal, you are not waiving your right to appeal our final decision.

If you have any questions about our response to your request, you may contact Ms. Litsa Marinos by phone at (703) 648-7179, by email at foia@usgs.gov, or by mail at 12201 Sunrise Valley Drive, Mail Stop 159, Room 4B105, Reston, Virginia 20192.

Sincerely,

Litsa Marinos

Litsa Marinos
U.S. Geological Survey
Government Information Specialist

Enclosures:

2019-00103 – Responsive Records 1.pdf (34 pages)
2019-00103 – Responsive Records 2. pdf (13 pages)
2019-00103 – Responsive Records 3.pdf (seven pages)
2019-00103 – Responsive Records 4.pdf (144 pages)
EMMA Projects Impacted by Govt Shutdown.xlsx (80 KB)

From: **Carter, Dennis** <dcarter@usgs.gov>
Date: Tue, Jan 29, 2019 at 1:19 PM
Subject: Voluntary withdrawal from the Hydrology Tech Pathways Position Helena Field Office
To: Aroscott Whiteman <whiteman@usgs.gov>
Cc: <dcarter@carroll.edu>

Good Afternoon Scott,
After much thought and consideration, [REDACTED] (b)(6)

[REDACTED] Consequently I respectfully submit that I will end my commitment with the USGS as of Friday 1 Feb 2019.

I greatly appreciated the time, opportunity, mentorship and particularly the camaraderie shared with everyone here. It has been a terrific experience and I wish each of you the best.

Respectfully Dennis

--

Dennis L. Carter
Student Hydrologist
USGS



Espinosa, Lorena <lespinosa@usgs.gov>

Fwd: [EXTERNAL] Resignation

3 messages

Elliott, Patricia <ptelliott@usgs.gov>
To: Lorena Espinosa <lespinosa@usgs.gov>

Mon, Jan 28, 2019 at 8:43 AM

Here is a resignation I received during furlough.

----- Forwarded message -----

From: **mark.desio** <mark.desio@gmail.com>
Date: Fri, Jan 4, 2019 at 8:16 AM
Subject: [EXTERNAL] Resignation
To: <larogers@usgs.gov>
Cc: <kkreun@usgs.gov>, <ptelliott@usgs.gov>, <llor@usgs.gov>, <cmattinglygilbert@usgs.gov>

Hi Laurel,

Effective today I am resigning my position with the U.S. Geological Survey (USGS). (b)(6)
(b)(6)

When the furlough is resolved and if back-pay is given, I would like to receive my salary for the past two weeks. Additionally, I would hope to be paid my vacation time owed and any sick leave, if it is permitted to me.

Finally, (b)(6). I have attached it here so that it may be included in my work history and kept with USGS.

Thank you for the opportunity to have worked with USGS.

Mark DeSio

--

Patty Elliott
HR Specialist (Employee Benefits)
U.S. Geological Survey
Human Resources Office
3020 State University Drive East
Modoc Hall, Suite 2001
Sacramento, CA 95819
TEL: (916) 278-9411
FAX: (916) 278-9413
ptelliott@usgs.gov
<https://www2.usgs.gov/humancapital/pb/paybenefitslinks.html>



Espinosa, Lorena <lespinosa@usgs.gov>

Fwd: Resignation S. Jackson # 18-2608378.

1 message

Heller, Katherine <kheller@usgs.gov>
To: Lorena Espinosa <lespinosa@usgs.gov>

Mon, Jan 28, 2019 at 12:22 PM

FYI

Best regards,

Katherine Heller, PHR, SHRM-CP

Human Resources Specialist
USGS | Reston, VA | 5A222
Phone: (703) 648-7408 | Fax: (703) 648-4113
Email: kheller@usgs.gov

Visit the Human Resources Office Website:

<https://www2.usgs.gov/humancapital/hr/requireddocuments.html> ***Updated URL***

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----- Forwarded message -----

From: **Singleterry, Chantae** <csingleterry@usgs.gov>
Date: Wed, Dec 12, 2018 at 4:06 PM
Subject: Resignation S. Jackson # 18-2608378.
To: Katherine Heller <kheller@usgs.gov>
Cc: John Brakebill <jwbrakeb@usgs.gov>

Hi Katherine,

Can you process the resignation action for Shannon Jackson? The FPPS # is 18-2608378.
I just initiated the 9-090 form in Sharepoint.
Please let me know if you need anything else.

Thanks.

----- Forwarded message -----

From: **Jackson, Shannon** <sejackson@usgs.gov>
Date: Wed, Dec 12, 2018 at 1:22 PM
Subject: Resignation Letter
To: John Brakebill <jwbrakeb@usgs.gov>
Cc: Chantae Singleterry <csingleterry@usgs.gov>

Shannon Jackson

(b)(6)

(b)(6)

Today I am writing to notify you of my resignation. My last day will be Friday, January 4, 2019. (b)(6)
(b)(6). My forwarding address is listed at the top of this letter. It has been an absolute pleasure working with the USGS and I have learned a wealth of information during my time here.

Sincerely,

1/28/2019

DEPARTMENT OF THE INTERIOR Mail - Fwd: Resignation S. Jackson # 18-2608378.

Shannon Jackson

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NEW

Submit an admin ticket here
support.usgs.gov

Chantae Singletarry

Administrative Operations Assistant

USGS MD-DE-DC WSC

5522 Research Park Drive

Catonsville, MD 21228

csingletarry@usgs.gov

Work: (443)-498-5540

Cell: (443)-882-2818

Alan M. Jones

(b)(6)

Dear Debra and Keith,

After much deliberation, I have decided (b)(6). Please accept this as my formal letter of resignation from the U.S. Geological Survey. My last day of service will be January 30, 2019.

Sincerely,

Alan M. Jones

1/23/2019



>< (((((0> Saint Augustine, "The World is a book, and those who don't travel only read a page..."

From: **Coyhis, Mark** <mcoyhis@usgs.gov>
Date: Mon, Jan 28, 2019 at 10:34 AM
Subject: Fwd: Resignation- Abigail Michel
To: Hayley Matteson <hmatteson@usgs.gov>

From: **Michel, Abigail** <amichel@usgs.gov>
Date: Fri, Dec 28, 2018 at 11:55 AM
Subject: Resignation- Abigail Michel
To: Baum, Rex <baum@usgs.gov>
Cc: Coyhis, Mark <mcoyhis@usgs.gov>, Joel Smith <jbsmith@usgs.gov>

Thank you,
Abigail Michel

Abigail Michel
Geophysicist
Landslide Hazards Program
U.S. Geological Survey
amichel@usgs.gov
303-273-8604

Mark Coyhis
Administrative Operations Assistant
USGS, Geologic Hazards Science Center
Box 25046, DFC, MS 966

2/6/2019

DEPARTMENT OF THE INTERIOR Mail - Fwd: [EXTERNAL] Letter of Resignation

This came in while we were furloughed. We will need to let HR know that Kolton's last day was Jan 23.

----- Forwarded message -----

From: **Kolton Ponte** <koltonponte@mymail.mines.edu>

Date: Wed, Jan 9, 2019 at 10:17 AM

Subject: [EXTERNAL] Letter of Resignation

To: Carol Finn <cafinn@usgs.gov>

Hey Carol,

Please accept this letter as notice of my resignation from my internship position with USGS effective two weeks from today, January 23, 2019. Thank you so much for all the support, encouragement and opportunities you have provided me the last 2 years during my internship. The education, discipline and training that I learned at USGS will be vital to my future endeavors and I am extremely grateful.

I would be happy to assist training a replacement and do anything else to ensure a seamless transition. I will also be at Mines throughout the semester and I really hope to still stay in touch.

Kolton Ponte

>< (((((°> '¯`...>< (((((°> '¯`...>< (((((°> Saint Augustine, "The World is a book, and those who don't travel only read a page..."

----- Forwarded message -----

From: zac r (b)(6)
 Date: Tue, Dec 25, 2018 at 7:28 PM
 Subject: [EXTERNAL] Letter of Resignation
 To: aalexander@usgs.gov <aalexander@usgs.gov>, aedquist@usgs.gov <aedquist@usgs.gov>, hmatteson@usgs.gov <hmatteson@usgs.gov>, mrvigil@usgs.gov <mrvigil@usgs.gov>, rbrittenham@usgs.gov <rbrittenham@usgs.gov>, cathey@usgs.gov <cathey@usgs.gov>, akhteian@usgs.gov <akhteian@usgs.gov>, rlsanders@usgs.gov <rlsanders@usgs.gov>

Hello,

I am resigning from my position as Duty Seismologist because (b)(6)
 (b)(6) My last day of employment with the USGS will be the shift that ends January 8th, 2019. My forwarding address is (b)(6). The best way to contact me after my employment ends is through my email address (b)(6). My cell phone is a secondary option and the number is (b)(6). Thank you for the time I spent in Golden with the USGS.

Sincerely,

Zac Reeves

--
 Ryan Bui
 Human Resources Assistant
 USGS, Sacramento Office
 Branch of Human Resources
 Modoc Hall, CSUS
 3020 State University Drive East, Suite 2001
 Sacramento, CA 95819
 Work: (916) 278-9397
 Fax: (916) 278-9406

4/24/2019

Fwd: [EXTERNAL] Shutdown and resignation - bledbetter@usgs.gov - DEPARTMENT OF THE INTERIOR Mail

From: Johanna Nevitt (b)(6)
Date: Mon, Jan 7, 2019 at 12:26 PM
Subject: [EXTERNAL] Shutdown and resignation
To: <lcervantes@usgs.gov>
Cc: Brooks, Benjamin <bbrooks@usgs.gov>, Ben Brooks (b)(6), Johanna Nevitt <jnevitt@usgs.gov>

Hi Trudy,

I'm not sure if you're checking your email or able to work at all during the shutdown. I'm looking for guidance on how the shutdown will affect my resignation process. This Friday (1/11) is supposed to be my last day in the office. However, if the government is still shut down then, I will need additional time to move out my stuff, double-check all my computer files are backed up, forward emails, and sort of my finances (retirement, TSP, etc).

Can you please advise me on what I can do prior to Friday and how I can maintain access to my workspace and email after 1/11 (assuming the shutdown still is in effect)?

(b)(6). I am scheduled to be back in Menlo Park Feb 4-15 for a workshop and visit with collaborators.

Thank you,
Josie Nevitt

cell phone: (b)(6)

MULTI-DO-USGIS-T9-0441-B-000010



Espinosa, Lorena <lespinosa@usgs.gov>

Fwd: Government Shutdown Resignation Question

1 message

Heller, Katherine <kheller@usgs.gov>
To: Lorena Espinosa <lespinosa@usgs.gov>

Mon, Jan 28, 2019 at 11:17 AM

Good afternoon, Lorena,

Resignation effective 1/4/19. Letter below. FPPS action # 19-0105640 forwarded to you now.

Best regards,

Katherine Heller, PHR, SHRM-CP

Human Resources Specialist
USGS | Reston, VA | 5A222
Phone: (703) 648-7408 | Fax: (703) 648-4113
Email: kheller@usgs.gov

Visit the Human Resources Office Website:
<https://www2.usgs.gov/humancapital/hr/requireddocuments.html> ***Updated URL***

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----- Forwarded message -----

From: **Serna, Brandon** <bserna@usgs.gov>
Date: Mon, Dec 31, 2018 at 1:05 PM
Subject: Government Shutdown Resignation Question
To: <kheller@usgs.gov>, <mpowell@usgs.gov>, Hutchison, Vivian <vhutchison@usgs.gov>, Ben Wheeler <bwheeler@usgs.gov>

Hi Katherine and Miyoshi, I'm planning to resign this coming Friday, January 4th from the USGS and (b)(6)
I'm not sure how the federal shutdown impacts this or if we will need to do anything special, do you have any thoughts?

Thanks! Happy Holidays!

--
Brandon Serna
US Geological Survey
Core Science Analytics, Synthesis and Libraries (CSAS&L)
Office: (303) 202-4219
Email: bserna@usgs.gov



Espinosa, Lorena <lespinosa@usgs.gov>

Fwd: Resignation - FPPS Action

1 message

Stephens, Carli <cstephens@usgs.gov>
To: Lorena Espinosa <lespinosa@usgs.gov>

Fri, Dec 21, 2018 at 12:26 PM

Hi Lorena,

Here is an emailed resignation for Matthew Smart effective 12-28-18. I have forwarded you the FPPS action. Please let me know if you have any questions. Thank you.

Carli Stephens
HR Specialist
United States Geological Survey
P.O. Box 25046 M.S. 612
Denver, CO 80225
Email: cstephens@usgs.gov
Voice: (303) 236-9586
Fax: (303) 236-5973

*****Email Confidentiality*****

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----- Forwarded message -----

From: Kapp, Jennifer <jkapp@usgs.gov>
Date: Wed, Dec 19, 2018 at 11:03 AM
Subject: Resignation - FPPS Action
To: Carli Stephens <cstephens@usgs.gov>
Cc: Fyfe, Michelle <mfyfe@usgs.gov>, Karl Ellcessor <kellcessor@usgs.gov>, Clint Otto <cotto@usgs.gov>

Good Morning,

I just sent you an FPPS action #18-2663913 for Matt Smarts Resignation. I've attached an email that he sent that I'm hoping will work as a resignation letter. I'm leaving the forwarding address he has in FPPS alone. The address in the email is actually his work address. Matt is switching to a volunteer. [REDACTED] (b)(6) [REDACTED]. I wanted to get this in the system just in case we go on furlough. Please let me know if you have any questions or need anything else.



Matthew Smart
Northern Prairie Wildlife Research Center
8711 87th St SE, Janesville, MN
msmart@usgs.gov

Thanks
Jen

--

Jennifer K Kapp
Administrative Operations Assistant
Northern Prairie Wildlife Research Center
8711 37th St. Southeast
Jamestown, ND 58401
701-253-5570

We keep moving forward, opening new doors, and doing new things, because we're curious and curiosity keeps leading us down new paths. - Walt Disney

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Weckesser, Robin <rweckesser@usgs.gov>

Fwd: Notice

1 message

Darren Berger <dberger@usgs.gov>
To: Robin Weckesser <rweckesser@usgs.gov>

Tue, Dec 18, 2018 at 11:57 AM

Robin,

Could please start paperwork for Matt's departure?

Thanks,

Darren

Darren J Berger
Branch Chief - Science Support
USGS, National Wildlife Health Center
6006 Schroeder Road
Madison, WI 53711

Tel: (608) 270 2407
Cell: (608) 212 5388
Fax: (608) 270 2415
Email: dberger@usgs.gov

<http://www.nwhc.usgs.gov/>

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

From: "Berger, Darren" <dberger@usgs.gov>
Date: 12/18/18 10:01 AM (GMT-06:00)
To: Matthew Solchenberger <msolchenberger@usgs.gov>
Cc: GS-MWR-NWHC LT <gs-mwr-nwhc_lt@usgs.gov>
Subject: Fwd: Notice

Matt,

Thank you for the notice.

We will need to spend the remainder of this week transferring knowledge, information and data. Please make sure your calendar is open.

Your many years of service to USGS - National Wildlife Health Center is greatly appreciated.

Good luck on your future endeavors.

Respectfully,

Darren

----- Forwarded message -----

From: **Matthew Solchenberger** <msolchenberger@usgs.gov>
Date: Tue, Dec 18, 2018 at 8:53 AM
Subject: Notice
To: Berger, Darren <dberger@usgs.gov>

Darren,
I tried to meet with you yesterday, but everytime I came by your office you weren't in.

(b)(6) My last official day at NWHC will be Friday December 28th. I had planned to be on leave that week so my last day of work will be this Friday.

Matt

--
Darren J Berger
Branch Chief - Science Support
USGS, National Wildlife Health Center
6006 Schroeder Road
Madison, WI 53711

Tel: (608) 270 2407
Cell: (608) 212 5388
Fax: (608) 270 2415
Email: dberger@usgs.gov

<http://www.nwhc.usgs.gov/>

1/18/2019

Judy O'Dwyer
Branch Chief, Operations and Communications
U.S. Geological Survey, NOROCK
2327 University Way, Suite 2
Bozeman, MT 59715

Dear Judy O'Dwyer

I am writing to inform the NOROCK office of the U.S. Geological Survey that (b)(6)
(b)(6) I will be leaving my position as Biological Science
Technician with NOROCK on January 28, 2019. Let me know what tasks you need me to complete to
simplify the exit procedure. Thank you for the opportunity to work with you and best of luck in the New
Year.

Sincerely,

Damon Tucker

(b)(6)



Brown, Jesslyn <jfbrown@usgs.gov>

Re: [EXTERNAL] RE: ESI Issue 10/15/18**Evenson, Kirk (Contractor)** <evenson@contractor.usgs.gov>

Mon, Feb 4, 2019 at 4:13 PM

To: "Brown, Jesslyn" <jfbrown@usgs.gov>

Cc: Calvin Poulsen <cpoulsen2@unl.edu>, Danny Howard <dhoward@contractor.usgs.gov>, Michael Steuck <steuck@contractor.usgs.gov>

Yes I can check the ESI files and see if they are different.

On Mon, Feb 4, 2019 at 3:57 PM Brown, Jesslyn <jfbrown@usgs.gov> wrote:

As per Danny's email, we need to wait until Mike has been able to rerun his maps. That's the method I use to check results. So if the maps aren't up to date then I could end up thinking there is a problem.

Please hold.... Can you now go into the system and check whether the ESI data for all of January are unique data files...is that possible? Just wondering if I'm insane for suggesting that...?

Jess

Jesslyn F. Brown
Research Geographer
U.S. Geological Survey
Earth Resources Observation and Science (EROS) Center
Sioux Falls, SD 57198

605-594-6003 (office)

605-594-6529 (fax)

jfbrown@usgs.gov

ORCID: <http://orcid.org/0000-0002-9976-1998>

<https://www.usgs.gov/land-resources/eros/lcmap/>

<https://www.usgs.gov/land-resources/eros/droughtstress/>

<https://www.usgs.gov/land-resources/eros/phenology/>

On Mon, Feb 4, 2019 at 3:53 PM Evenson, Kirk (Contractor) <evenson@contractor.usgs.gov> wrote:

It doesn't take much effort to rebuild any of the previous QuickDRI composites. So if there's one that you'd like me to build so that we can check the image versus the build I did last week then let me know and I'll will fire it off.

On Mon, Feb 4, 2019 at 3:49 PM Brown, Jesslyn <jfbrown@usgs.gov> wrote:

Thanks Chris,

The main trouble on our end is telling if the data are good or not. I use two visual checks but they are very crude.

1. The data are incomplete (i.e. half the image missing)
2. The data are the same (esp. no data mask) from one week to the next

I don't know that we have any other way to check...at least not on our end.

This has haunted this project. And I think it's difficult to check. We can see if processes ran, but not verify data values easily.

Any ideas would be welcome.

thanks! And welcome back to work!
Jess

Jesslyn F. Brown
Research Geographer
U.S. Geological Survey

Earth Resources Observation and Science (EROS) Center
Sioux Falls, SD 57198

605-594-6003 (office)

605-594-6529 (fax)

jfbrown@usgs.gov

ORCID: <http://orcid.org/0000-0002-9976-1998>

<https://www.usgs.gov/land-resources/eros/lcmap/>

<https://www.usgs.gov/land-resources/eros/droughtstress/>

<https://www.usgs.gov/land-resources/eros/phenology/>

On Mon, Feb 4, 2019 at 10:38 AM Hain, Christopher R. (MSFC-ST11) <christopher.hain@nasa.gov> wrote:

Hi Jess,

All the ESI files have been updated as we had a bit more missing data than using from things failing during the furlough but let me know if you notice any additional missing days/data.

Best,

Chris

From: Calvin Poulsen <cpoulsen2@unl.edu>

Sent: Monday, February 4, 2019 10:05 AM

To: Hain, Christopher R. (MSFC-ST11) <christopher.hain@nasa.gov>; Brown, Jesslyn <jfbrown@usgs.gov>

Cc: Evenson, Kirk (Contractor) <evenson@contractor.usgs.gov>; Danny Howard <dhoward@contractor.usgs.gov>

Subject: RE: [EXTERNAL] RE: ESI Issue 10/15/18

Jess

Can you let me know when you have the mask issue sorted out and we will get our QuickDRI website upto date. We have the newest VegDRI and are processing it to get the VegDRI site current. Thanks for getting after these datasets so quickly.

Cheers

Chris

From: Hain, Christopher R. (MSFC-ST11) <christopher.hain@nasa.gov>

Sent: Monday, February 4, 2019 7:32 AM

To: Brown, Jesslyn <jfbrown@usgs.gov>

Cc: Evenson, Kirk (Contractor) evenon@contractor.usgs.gov ; Calvin Poulsen cpoulsen2@unl.edu ;
Danny Howard dhoward@contractor.usgs.gov
Subject: RE [EXTERNAL] RE ESI Issue 10/15/18

Hi Jess,

I'll have to check this morning.

Chris

From: Brown, Jesslyn jfbrown@usgs.gov
Sent: Friday, February 1, 2019 2:51 PM
To: Hain, Christopher R. (MSFC-ST11) christopher.hain@nasa.gov
Cc: Evenson, Kirk (Contractor) evenson@contractor.usgs.gov; Calvin Poulsen cpoulsen2@unl.edu;
Danny Howard dhoward@contractor.usgs.gov
Subject: Re: [EXTERNAL] RE: ESI Issue 10/15/18

Hi Chris,

We have been reprocesing the VegDRI and QuickDRI from the shutdown. I just noticed that all of the QuickDRI have the exact same NoData mask (at least visually).

Did you have problems over the shutdown and are the ESI data located here, good data?

thanks,

Jess

Jesslyn F. Brown

Research Geographer

U.S. Geological Survey

Earth Resources Observation and Science (EROS) Center

Sioux Falls, SD 57198

605-594-6003 (office)

605-594-6529 (fax)

jfbrown@usgs.gov

ORCID: <http://orcid.org/0000-0002-9976-1998>

<https://www.usgs.gov/land-resources/eros/lcmap/>

<https://www.usgs.gov/land-resources/eros/droughtstress/>

<https://www.usgs.gov/land-resources/eros/phenology/>

On Mon, Oct 15, 2018 at 11:26 AM Hain, Christopher R. (MSFC-ST11) <christopher.hain@nasa.gov> wrote:

Here's an updated one :

https://geo.nsstc.nasa.gov/SPoRT/outgoing/crh/ESI_4quick_dri/US_DFPPM_SMN_4WK_2018287.dat

This should be the last week we have an issue – we figured it out and fixing this week.

Chris

From: Evenson, Kirk (Contractor) <evenson@contractor.usgs.gov>
Sent: Monday, October 15, 2018 10:53 AM
To: Hain, Christopher R. (MSFC-ST11) <christopher.hain@nasa.gov>
Cc: Jesslyn Brown <jfbrown@usgs.gov>; Calvin Poulsen <cpoulsen2@unl.edu>
Subject: Fwd: ESI Issue 10/15/18

Chris,

Looks like the problem we had with the ESI file the past couple weeks has come back to bite us again this week. Let me know when it's corrected. Thanks.

Jess, Calvin,

QuickDRI is going to be delayed this week.

Kirk

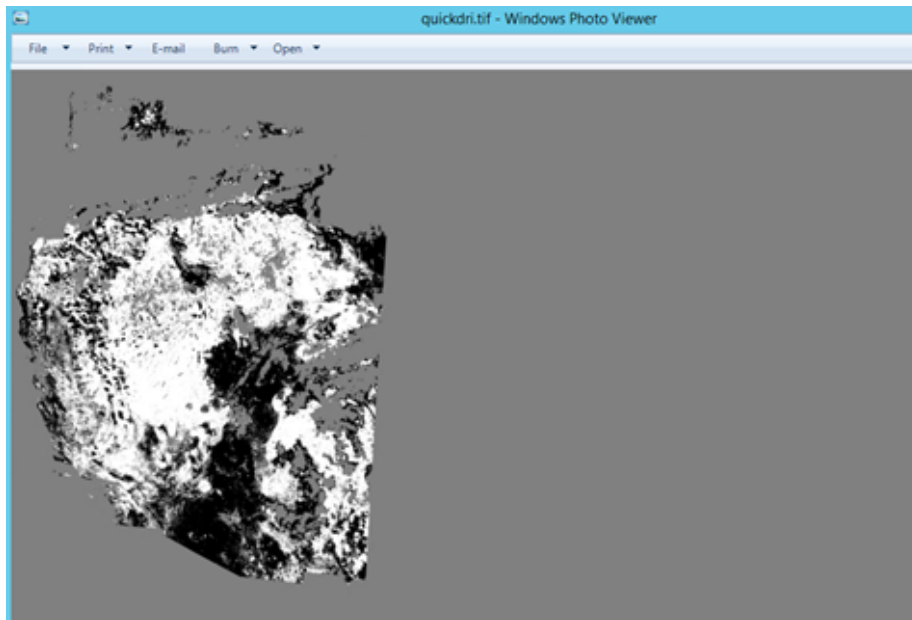
----- Forwarded message -----

From: **Steuck, Michael (Contractor)** <steuck@contractor.usgs.gov>
Date: Mon, Oct 15, 2018 at 10:27 AM
Subject: ESI Issue 10/15/18

To: Kirk (Contractor) Evenson <evenson@contractor.usgs.gov>, Danny Howard <dhoward@contractor.usgs.gov>, Jesslyn Brown <jfbrown@usgs.gov>

All-

Sorry to report, we have another ESI issue.



--

Michael W. Steuck
Technical Specialist IV
Stinger Ghaffarian Technologies
Contractor to US Geological Survey Center for
Earth Resources Observation and Science

[47914 252nd Street](#)
Sioux Falls, South Dakota 57198
steuck@contractor.usgs.gov
(605) 594-6539
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--

Kirk Evenson, Software Engineer

SGT-KBRWylie

Contractor to the USGS EROS

[47914 252nd Street, Sioux Falls, SD 57198](#)

Voice: 605-594-2504, Email: evenson@contractor.usgs.gov

5/9/2019

DEPARTMENT OF THE INTERIOR Mail - Re: [EXTERNAL] RE: ESI Issue 10/15/18

Kirk Evenson, Software Engineer
SGT-KBRWylie
Contractor to the USGS EROS
[47914 252nd Street, Sioux Falls, SD 57198](#)
Voice: 605-594-2504, Email: evenson@contractor.usgs.gov

Kirk Evenson, Software Engineer
SGT-KBRWylie
Contractor to the USGS EROS
[47914 252nd Street, Sioux Falls, SD 57198](#)
Voice: 605-594-2504, Email: evenson@contractor.usgs.gov



Peterson, Birgit <bpeterson@usgs.gov>

Fwd: Updates to Schedules

1 message

Hess, Jeffrey (Contractor) <jthess@contractor.usgs.gov>

Thu, May 9, 2019 at 4:21 PM

To: "Peterson, Birgit" <bpeterson@usgs.gov>

Birgit,

Re: FOIA

See below email and attached Bi-Weekly Report...both mention the 5 week shift in production deliveries resulting from the shutdown.

Jeff

----- Forwarded message -----

From: **Hess, Jeffrey (Contractor)** <jthess@contractor.usgs.gov>

Date: Tue, Feb 12, 2019 at 4:51 PM

Subject: Updates to Schedules

To: Joel Connot <jconnot@contractor.usgs.gov>, Karen Christian <kchristian@contractor.usgs.gov>

Karen/Joel,

We are now able to make adjustments to our schedules to reflect the impact of the shutdown. Please help identify and update our documentation to reflect a 5-week shift on all items that were either in-progress or not yet started at the time of the shutdown. We should probably tag-up to make sure we are not overlooking anything, but wanted to get the message out now before I forget.

Thanks,

Jeff

--
--**Jeffrey T. Hess**

Task Manager, LANDFIRE

KBRwyle Contractor to the US Geological Survey (USGS)

Earth Resources Observation and Science (EROS) Center

47914 252nd Street

Sioux Falls, SD 57198

605-594-2528 (phone) 605-594-2828 (fax)

Email: jthess@contractor.usgs.gov--
--**Jeffrey T. Hess**

Task Manager, LANDFIRE

KBRwyle Contractor to the US Geological Survey (USGS)

Earth Resources Observation and Science (EROS) Center

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Sioux Falls, SD 57198

605-594-2528 (phone) 605-594-2828 (fax)

Email: jthess@contractor.usgs.gov**LANDFIRE+TLG+Bi-Weekly 20190215.docx**

161K

LANDFIRE TLG Bi-Weekly

Technical Leadership Group (TLG) leads and coordinates the work of LANDFIRE product delivery.

Report owner: Jeff Hess, TSSC LF Task Manager

Report as of: 15 Feb 2019

Program Management

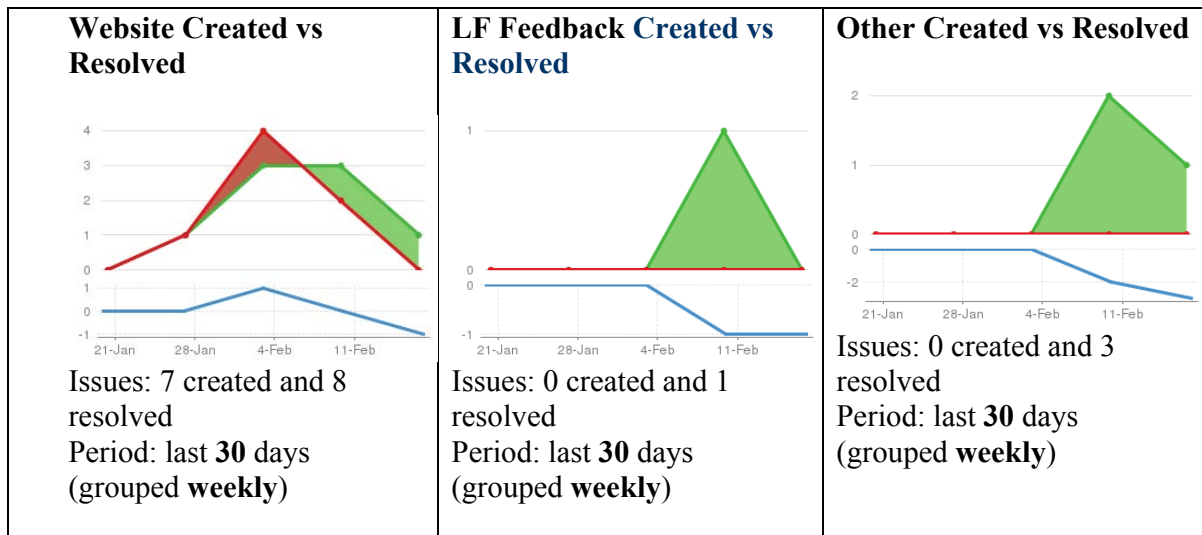
Status Notes:

- Delivered Product Acceptance Report (PAR) for Remap Release 1 (Northwest GeoArea) which documents testing activities from across production and operations
- Upon approval, coordinated Release of the Remap Northwest GeoArea onto the LANDFIRE website, Data Distribution Site, and viewer
- Coordinated on messaging associated with the Remap release
- Upon approval, began updating program schedule and appropriate documentation to reflect 5-week shift in production schedule resulting from partial government shutdown
- Reviewed the Release testing approach and began to create documentation for Remap Release 2 (Southwest GeoArea)
- Began planning for leadership meetings scheduled to coincide with MTBS meetings in March
- Continued to coordinate the restoration of share folder access by reviewing, backing up and removing files to enable distribution processes and mitigate risk to production

Operations

Status Notes:

- Released Northwest GeoArea and performed review of LF website/DDS to ensure LF Remap content meets requirements
- Based on internal testing and review, executed quick-turn LF Remap adjustment requests for the LF website
- Developed messaging content associated with the Remap Release for inclusion in the Feb LF Bulletin
- Started to monitor website activity in response to Release of Northwest GeoArea
- Started testing / review of the updated viewer
- Prepared website (as well as maintenance planning and Customer Service information) for another potential shutdown
- Reviewed Help Desk tickets and assisted where / when needed



Key: Created Resolved Unresolved

Help Desk Update

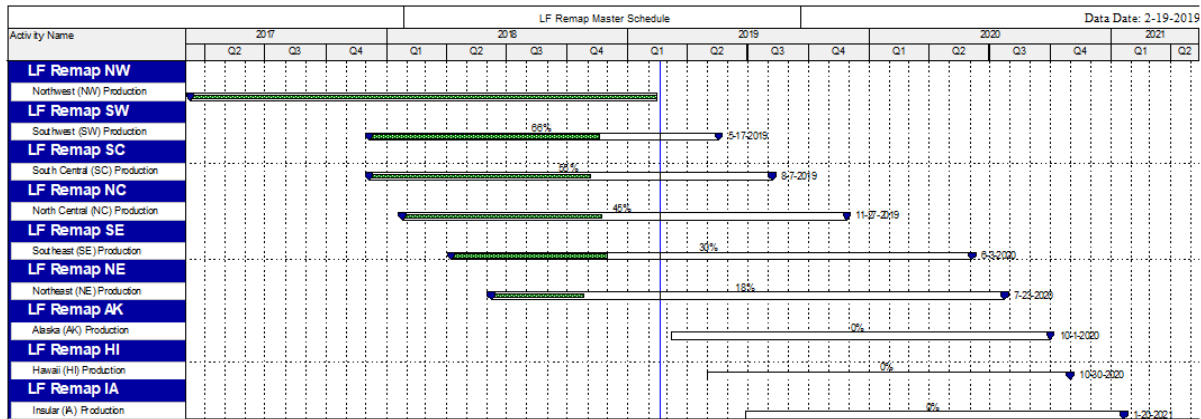
Row Labels	October 2018	November 2018	December 2018	January 2019	Grand Total
LandFire	17	15	11	9	52
Fire Regime	2	1	1		4
Other	3	5	3	5	16
Tools and Services	4	3	3	1	11
Data Distribution	3	4	1		8
Vegetation	4	1	1		6
Reference	1		1		2
Website			1	2	3
Disturbance		1		1	2
Grand Total	17	15	11	9	52

LF Remap

Status Notes:

- Completed NW GeoArea Release (Release 1)
- Completed Fuels production for VPU 7

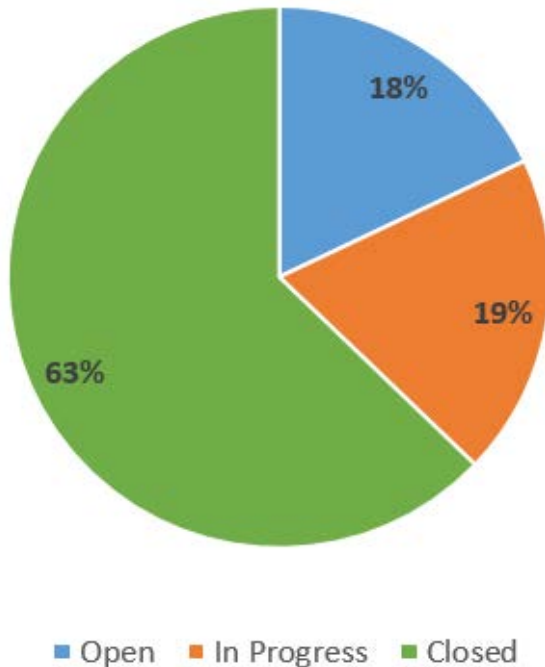
LF Remap Master Schedule



Remap production status by VPU for CONUS

Components	Status				
	Open	In Progress	Closed	In Review	T:
2.1 - LF Remap LFRDB Production	0	5	8	0	13
2.2 - LF Remap Events Geodatabase Production	0	1	12	0	13
3.1 - LF Remap Disturbance Production	0	3	10	0	13
4.1 - LF Remap Existing Vegetation Production	0	6	6	1	13
5.1 - LF Remap Fuel Production	6	0	7	0	13
6.1 - LF Remap Fire Regime Production	1	0	0	0	1
7.1 - LF Remap Distribution Production	7	0	6	0	13
Total Unique Issues:	14	15	49	1	79

Remap CONUS % Complete

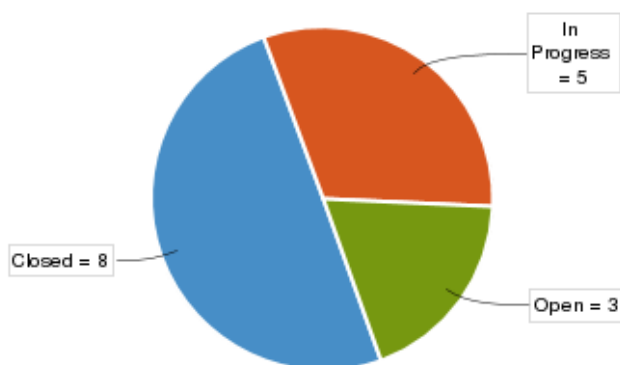


Reference

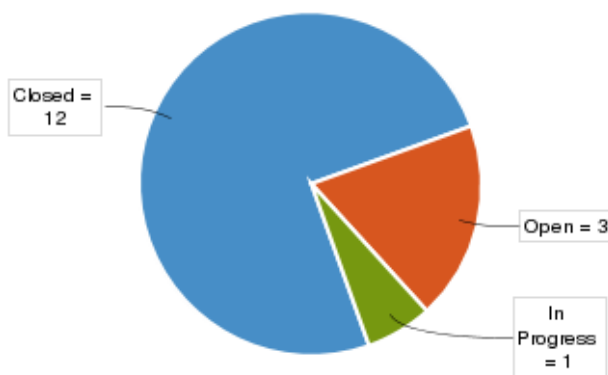
Status Notes:

- Completed converting NatureServe Natural Heritage Community EO plots for the eastern U.S.
- Completed LFRDB production for VPU 9
- Completed delivery to NatureServe crosswalk plots for VPU 11, 12, and 13
- Began production of Events Geodatabase for VPU 13
- A total of 376 LFRDB datasets (of various sizes) have been cataloged, of those 371 have been converted to LFRDB format, 5 data sets remain to be converted
- A total of 43 Events datasets (of various sizes) have been cataloged, of those 41 have been converted to Events format, 2 data sets remain to be converted
- Question: Data call letter was sent out on 12/18 and data submissions have been trickling in. Is an extension to the deadline needed due to shutdown?

LFRDB VPU Status



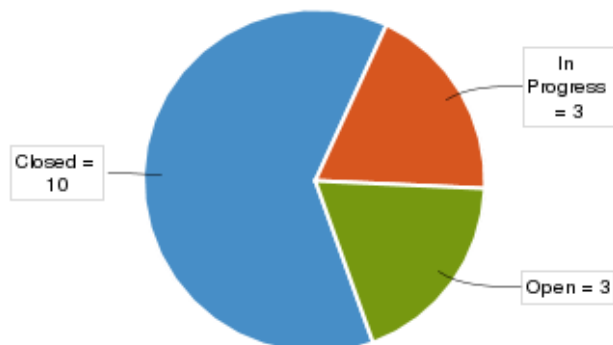
Events Geodatabase VPU Status



Disturbance

- Continued production of 2015 Annual Disturbance for VPU 11
- Continued processing composite NDVI imagery to assist with mapping annual disturbance

Disturbance VPU Status

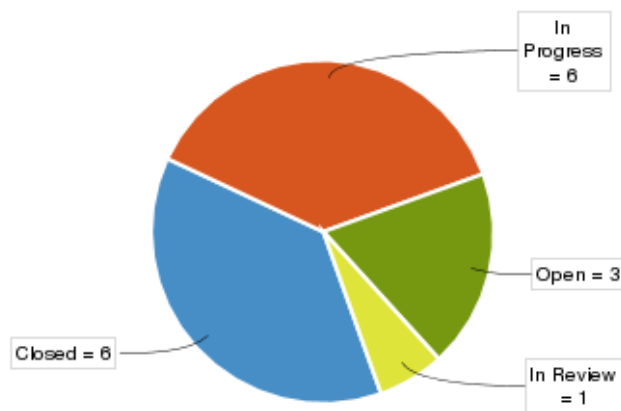


Vegetation

Status Notes:

- Shared EVT-NVC review draft of VPU 7 with NatureServe
- Met with NatureServe to discuss feedback for VPU 7 EVT-NVC
- Began rectification of VPU 7 EVT-NVC
- Began EVT-NVC production for VPU 8
- Completed anthropogenic barren mapping for VPU 8
- Continued EVT-ES production for VPU 8
- Continued production of lifeform, EVC and EVH for VPU 8
- Started and completed urban mapping for VPU 9
- Shared VPU 9 data with FIA for extractions
- Continued image cleaning for VPU's 10, 11, 12 and 13

Vegetation VPU Status

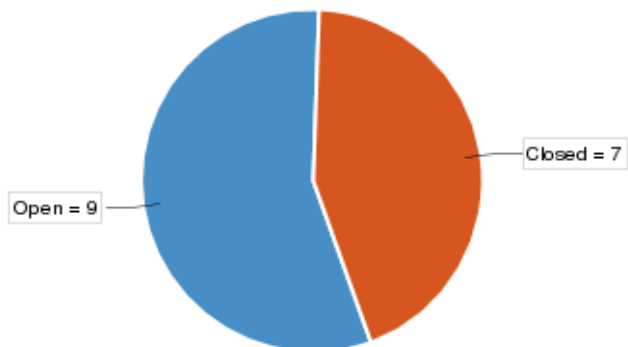


Fuels

Status Notes:

- Began and completed Fuels production for VPU 7
- Continued to work on mapzones in the South Central and North Central GeoArea that have some vegetation products
- Participated in a meeting with Susan Pritchard's team regarding FCCS for Remap
- Began pre-production work for FCCS for NW GeoArea - identifying new EVT's, so FCCS rulesets can be created
- Setup meeting with Chuck McHugh regarding feedback on FlamMap 6 - seeing differences in outputs between this version and outputs from earlier versions. (FlamMap 6 now includes FARSITE, WindNinja in one program along with FlamMap). At some point, older versions will not be supported, so understanding the cause of differences is important.

Fuel VPU Status

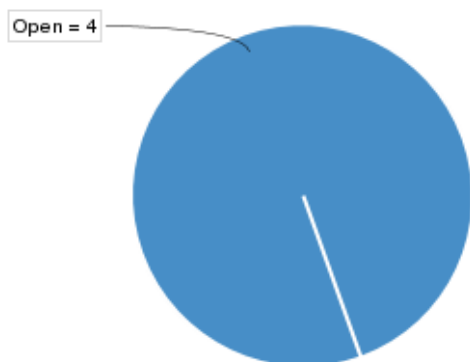


Fire Regime

Status Notes:

- No activity to report this period

Fire Regime VPU Status

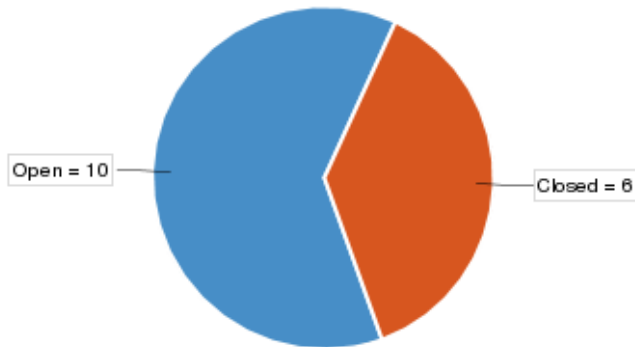


Distribution

Status Notes:

- Completed Release 1 (NW GeoArea)
- Completed development integration and system testing for NW GeoArea Release
- Completed system testing of spatial products on DDS
- Continued testing intermediate and final deliverables as exchanged among production teams

Distribution VPU Status



LF Improvements and Innovations (I&I)

LF I&I Status Notes:

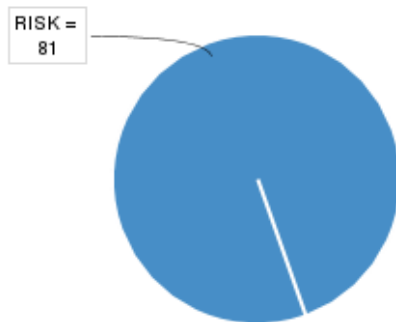
- Best Case /Worst Case & WFIPS
 - No activity to report
- KBDI Migration
 - No activity to report
- South Central MoD-FIS Expansion
 - Setup meeting with Nathan Lillie regarding MoD-FIS plains expansion - conflict on LF Conference Line?
- Other MoD-FIS Expansion
 - No activity to report

LF Risks

LF Risk Status Notes:

- Monitoring new risk associated with disrupted performance of the EROS High Performance Computer (HPC) used for image processing
- Tracking risk associated with the potential loss of communications for the Missoula team
- Expired risk associated with the potential government shutdown on February 15, 2019
- Monitoring risk associated with disrupted permissions to the fire science share drive
- Still tracking risks associated with Alaska in previous reports (lidar, surface reflectance)
- Left unmitigated, risks pertaining to revised AutoKeys for Alaska Remap production will escalate

Risks



Top Risks

Key	Summary	Description
LP-4941	Quality - Limited Availability to Technical Leadership/Guidance	With the departure of Don Long (USFS) and the reduced availability of Kurtis Nelson (USGS) the technical staff is left with limited access to government technical leadership for production related concerns and guidance.
LP-6468	Quality - BPS not used for vegetation mapping	If BPS is not used to inform existing vegetation mapping, existing vegetation types could be mapped outside their range, which would cause issues with calibrated fuel rule assignment. Mitigation: BPS will be used to inform models to create Existing Vegetation Type mapping.
LP-1663	Schedule - Unforeseen circumstances and/or changing program/project priorities	The work done to support the goals of the LANDFIRE Program may be adversely impacted by unforeseen circumstances and/or changing program/project priorities.
LP-7440	Alaska Production Inputs (schedule) - Autokey Availability and Legends	If the Autokey program is not updated and the final mapping legends are not developed, significant prototyping and production of LANDFIRE Existing Vegetation Type products may be negatively impacted.
LP-7382	Resource Dependency (schedule) - EROS High Performance Computing	If the EROS High Performance Computer were to experience a major hardware failure it would not be repaired as the hardware is out of warranty, schedule delays may occur to annual disturbance and Remap existing vegetation mapping while code is updated to use another High-Performance Computer.

Impacts to Centers During Government Shutdown

USGS GLSC- Hammond Bay Holding Tank Flood

The USGS Hammond Bay Biological Station (HBBS) located in the northern lower peninsula of Michigan has been undergoing a \$10M+ construction and replacement of the existing laboratory facilities. With an anticipated opening of the new lab in summer 2019, this construction project is nearing completion and now represents significant USGS investment in property and facilities. Further, every significant scientific advancement in control of the devastating invasive sea lamprey over the last 50 years has occurred at HBBS, making the science developed at this laboratory central to partnerships with USFWS and the Great Lakes Fishery Commission (GLFC). So much so that the GLFC has a longstanding cooperative agreement with USGS which provides roughly \$1.3 M in reimbursable funds annually for salaries and operation of the lab. The new laboratory, the highly valued science produced at this facility, and important partnerships all faced crucial adverse actions during the shutdown.

This project included construction of a one-million-gallon water tower to hold and provide Lake Huron water to the new lab for large scale experiments and study. Sometime during the evening of January 21, 2019, pumps that move water from Lake Huron into the tank started, over-filled the tank, and flooded the entire area surrounding the tank and nearby buildings including the new laboratory (see attached photos). The tank-level sensor or software control system, initiated pump operation and then failed to shut off the pumps after the tank filled. USGS is fortunate the emergency was discovered before the newly constructed lab was flooded along with the surrounding area. The pumps were manually turned off to avoid the same problem from occurring again. We then ran water into the tank with a hose to keep ice from forming inside the tank, which would expand and break the seals on the tank causing additional significant damage to USGS infrastructure. This temporary solution, however, requires constant monitoring to ensure water levels remain sufficient to avoid icing. We have yet to determine if the tank-level sensor or something else in the software control system failed. When the problem occurred, air temperatures were also quite cold (minus 10 degrees Fahrenheit), although we are unsure if cold temperature somehow contributed to the problem. We are also unsure if the substantial addition to ice and snow cover at the site will present additional flooding risks during the spring thaw. We may find out later that the event caused damage somewhere that is not presently observable. Regardless, USGS facilities and property, science, and partnerships were all adversely affected by the shutdown and remain at risk until permanent solutions can be found for the issues described above.

USGS GLSC – Chesterton Freezer Failure

Researchers at the Lake Michigan Ecological Research Station (LMERS, Chesterton, Indiana) collect a variety of biological samples that must be maintained at low temperatures to remain viable and useful for producing research results. Examples of such samples include bacteria and algae from water samples that are collected to determine water quality. DNA is often extracted from these samples and used to identify the organisms present in the water. Some of these samples must be maintained at -80 degrees Celsius to maintain viability. LMERS has three -80 C cryofreezers, two of which were full of thousands of samples at the time of the shutdown. These freezers have been running continuously for the past three years without failure. Nonetheless, LMERS maintains several systems to avoid system failure including generator backup and a series of temperature sentinels that monitor the freezers' temperatures and report to staff if the temperatures fall outside of proper range. Those sentinels require an internet connection to function. At the beginning of January our internet provider sent us a bill for continued service. We contacted them as to whether service would be cut off if we couldn't pay our bill promptly due to the shutdown. We were informed that no service shutoff would occur until January 28th at the earliest. However, the provider then shutoff our service the following day. We became aware of this and were concerned about losing the sentinel function for our freezers. Immediately after learning about the sentinel outage, we contacted our excepted employees to maintain a frequent visual inspection of the freezer temperatures starting immediately until the sentinels were functioning again. One of those employees inspected the freezers the following morning and reported that the freezers were functioning. The next morning a second excepted employee inspected the freezers and found that one of them had malfunctioned and the temperature was at +9 degrees C instead of -80 C. She transferred the samples to an available coldroom. Because we have not been able to test the samples we do not know if they sustained damage during the freezer thaw. During regular operations, these freezers would have been monitored more frequently and the sentinels would have reported an increase in temperature of a few degrees immediately to staff. As a result of our failure to pay our internet bill in a timelier manner and to monitor the freezers more frequently - both due to the shutdown - the untimely malfunction of the freezer was not quickly caught. Although we do not know whether the samples were damaged, there were hundreds of samples from past research in that freezer that were collected through research programs funded by millions of dollars of grants. Fortunately, many of the samples from that past research had been analyzed in the past - the other freezer contained samples from recent research, also supported by millions of dollars of grants and those samples have yet to be processed and analyzed. We received emergency permission to pay our internet bill, but our provider has yet to be able to restore our service to proper function, four days after the end of the shutdown. As a result, we are not able to access our network containing the bulk of our work files. This lingering effect is preventing LMERS personnel from picking up on the analytical and writing work they were engaged in prior to the shutdown. We are working to restore that internet function lost during the shutdown but at minimum it has caused lost productivity after the end of the shutdown.

GLSC Additional Shutdown Impacts

Needs attention:

Our GLRI-funded Maumee CESU agreement (~\$185K) is nearing the "no go" date for the spring/summer fieldwork season. The CESU opportunity has already been posted and we made our selection for a recipient in December 2018. We are merely awaiting Secretarial Clearance before making the award.

This work is time-sensitive in two compounding ways: One, the sampling protocol for April through September has yet to be developed based on literature review in February and March; in addition, the university will need to hire field crew before sampling can begin in April. Two, the field work needs to take place in spring/summer 2019 (not later) in order to secure tens-of-millions of dollars in Federal restoration funding in 2020-2024 instead of potentially postponing that funding until 2025-2030, putting the funding at serious risk for local stakeholders.

Our target recipient has informed us that a potential "no go" date for this project is March 1, 2019. After this date, the entire project and concurrent student research is put in considerable jeopardy.

Staffing

1. Lost five contractors
2. Lack of compensation for student contractors will result in lower morale and retention
3. Delayed cooperative agreement processing - lost potential MSU students
4. We were forced to waive the seasonal furlough for our MMRs due to vessel maintenance and repair schedule; increased salary costs for Center since we will be required to back pay for GS-wide furlough in addition to the waived seasonal furlough.

Facilities

1. The new laboratory at HBBS was intended to be completed and transferred from the construction contractor to USGS over winter, with a transfer date that would not interfere with startup of spring research operations. The month-long shutdown now jeopardizes transfer of the new laboratory, with uncertain consequences on research that must begin in late spring. I cannot estimate realistic costs of research impacts, until we have a more realistic estimate of the transfer date.
2. Anticipating impacts from hiring delays on field season - currently the large vessel is in a no sail status due to lack of staff (engineer and technician support with Canadian travel authorization).

Science

1. A large portion of newly hatched cisco in one experiment were lost due to a flaw in the system that was not detected until it was too late. No staff were on site to prevent the mechanical failure or to mitigate damage to the cisco population.
2. Delayed planting the federally threatened Pitcher's thistle seeds that may have adverse impact on viability and germination as part of for population research and restoration.
3. There have been delays in delivering data to Great Lakes Fishery Commission critical to the assessment of invasive sea lamprey damage to Lake Ontario Fish Stocks.
4. Delays in data analyses and report production for fishery assessments critical to the management of Lake Ontario's \$54 million fishery by the New York State Department of Environmental Conservation and the Ontario Ministry of Natural Resources and Forest's. The reports were due in mid-February; we will be forced to ask for deadline extensions.
5. We failed to provide technical support to the State University of New York's College at Oswego to perform genetic identification of whole lake collections of native coregonid fish larvae that were collected as part of a \$350K GLRI funded project to determine the life history and spatial distribution of cisco and whitefish stocks in Lake Ontario. Completion of those identifications are further put in jeopardy by the likely departure of two of the three technicians on that project.
6. Our field season runs from mid-March through late November leaving January, February and half of March left for our vessel crew to accomplish maintenance and repairs to the vessel (oil and lube changes, a large main propulsion engine repair, computer repairs to the vessel winch monitor system, life raft and safety gear inspection and maintenance, etc.) fish collection gear (trawls, gillnets, floats, anchors, etc.) and water quality sampling gear (sampling davits, cables, electronics, etc.). We have now lost 4 of the projected 10 weeks of that period putting vessel and gear readiness at risk for the start of the field season.
7. Lost mesocosm experiment being conducted with NPS (couldn't continue timed sample collections) - eDNA persistence in sediment
8. Missed grant proposal deadlines (e.g., GLFC, EMA invasive species)
9. Proposals submitted might be delayed for funding and/or might not be funded at all.
10. Unable to provide letters of support/collaborate on at least two projects (with IU and University of Hawaii)
11. Delayed manuscripts submissions

Meetings

1. Missed Lake Superior Technical Committee meeting
2. Missed Lake Michigan Technical Committee meeting
3. Missed Lake Huron Technical Committee meeting

4. Our science staff actively participate in our local New York Chapter of the American Fishery Society and deliver several presentations at the annual meeting each February highlighting USGS science. With the Government closed for 35 days and re-opening only a week before the meeting all of those presentations were put in jeopardy; staff will only present two of a planned five for this year.
5. One invited presentation on the status and health of Lake Ontario preyfish populations which was scheduled to be delivered to the public and angling community at a Buffalo NY sportsmen's show was canceled.
6. Missed attendance at Midwest Fish and Wildlife Conference
7. Interagency eDNA Workshop cancelled

EERSC and EMERSC

Known unrecoverable losses to science, partner agreements, etc.

1. USAID-funded work in Afghanistan. The project work scheduled for this year may be delay by a year. Bob Seal is attempting to travel to Kabul in early March to conduct training sessions. However, there may not be sufficient lead time now to purchase the necessary equipment and ship supplies in time for the 2019 field season.
2. The Algeria project (funded by Algeria). A workshop in Algeria and a preparatory meeting in Denver had to be canceled. We are now having a difficult time rescheduling these activities
3. Mineral Resource Assessment Training project. The planned week-long training session (the second of 4 sessions for FY19) had to be cancelled due to the furlough. This session was key to completing the project, which includes producing an assessment for undiscovered tungsten resources in the U.S. as well as a study to meet the needs of BLM in the southeastern U.S. The cancellation of travel plans and commitments for 20 scientists necessitates extensive rescheduling and restructuring of the project and disrupts the continuity of the training.
4. The Critical Minerals Mapping Initiative project. This project has been preparing a report and data release to jumpstart the proposed 3DEEP partnership with State Geological Surveys and others. Because of the furlough, the presentation for State Geological Surveys that was slated for January 15 and the finalization and distribution of the report and data are delayed by 5 weeks. This delay will impact the proposal process for new geological mapping,

geophysical surveys, and Lidar acquisition necessary to address the Nation's need for domestic sources of critical minerals.

5. Publications. The furlough led to the delay of the release of a significant SIR publication on Global Copper resources and delayed revision, review, and editing of numerous journal publications.

Impacts to property

1. Preventive scheduled maintenance for the X-ray Diffractometer instrument had to be canceled. The instrument is now overdue, and is at the end of the queue with the manufacturer.

UMESC

1. The Section 3 Registration of carbon dioxide as a new aquatic pesticide by the U.S. Environmental Protection Agency (USEPA) Office of Pesticide Programs (OPP) was delayed due to the government shutdown. The Section 3 Registration of Carbon Dioxide is a significant step forward in the war against Asian Carps and is required by Wisconsin DNR to allow the State to issue discharge permits to conduct high profile research with carbon dioxide, specifically large-scale field trials of a fish deterrent system in Kaukauna, WI scheduled for August 2019. The shutdown delayed registration because it delayed USEPA OPP posting the chemical label for the required public comment period. It has further delayed UMESC's ability to apply for WI DNR permits to allow this study to continue.
2. The Upper Mississippi River Restoration Program, a partnership of the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, USGS, USEPA, the States of Illinois, Iowa, Minnesota, Missouri and Wisconsin, and several non-governmental organizations,
 - a. postponed its planned Habitat Restoration and Enhancement Project meeting to discuss habitat restoration projects in Pool 13, delaying critical habitat restoration planning
 - b. postponed river resource coordination team meetings, delaying important coordination for monitoring, research and restoration planning.
 - c. forced UMESC scientists to cancel planned participation in the Adaptive Silviculture Workshop (January 15-16, 2019), not allowing critical science and technical information to be exchanged on the state of the science on climate-adapted forest management techniques, especially as they might apply to floodplain forests of the Mississippi National River and Recreation Area (MNRRA). The MNRRA floodplain forests will be part of a larger, nation-wide research program, designed to compare the effects of different approaches to climate change adaptation in management across diverse forest types.
3. A planned laboratory study to be conducted in cooperation with the University of Illinois to evaluate the response behavior of fish to carbon dioxide exposure. The study was scheduled January 2-12, 2019 during the U of I winter break to allow a U of I PhD student to conduct the work. The study was cancelled and is unlikely to be rescheduled.

4. USGS PIERC postponed pilot tests required to address NEPA requirements for the planned carbon dioxide field trials to control invasive fish at historical National Park ponds in Hawaii. The delay in field testing may preclude the involvement of USGS-UMESC expert in the use of carbon dioxide to control aquatic invasive species due to conflicts with other planned, high-visibility studies.
5. UMESC scientists and planned to moderate two symposiums at the Midwest Fish and Wildlife Conference. Several collaborators and other scientists were invited to the symposia as speakers. Travel of all USGS-UMESC scientists, including those previously mentioned, and associated presentations were cancelled because of the lapse in appropriations. This suppressed science communication, coordination, and collaboration with our partners, limiting science information transfer to our federal and state management agency partners that depend on our science to inform management actions.
6. UMESC was not able to participate in an exploratory call (scheduled January 14, 2019) with University of Wisconsin at Platteville and a company interested in purchasing licensing rights of the technology to produce Microparticles for invasive species control. Due to the shutdown, USGS scientists leading these efforts couldn't participate in the meeting and promote the technology developed by USGS that could result in licensing fees to USGS.
7. Nine student employees of the University of Wisconsin at La Crosse were not paid, are not eligible for back pay, and were considered ineligible by the State of Wisconsin for Unemployment Insurance benefits. Not only did this impact their income, but for some that also receive college credit for some of their work activities, it limited their ability to earn undergraduate credits needed for graduation.
8. UMESC had multiple construction and security contracts which were delayed. Though we received the authority to restore those contracts during the furlough:
 - a. Fish Holding Renovation - this project was delayed by ~5 weeks and USGS may be liable for additional costs to retain the concrete subcontractor on this job. We are not certain of the actual additional monetary costs to the prime contractor for damages, but these delays have also impacted our ability to rear aquatic animals and delayed critical research equipment preparation.
 - b. Building Security - the contractor, SIS, had purchased all of the needed hardware and was in the process of preparing the hardware for installation - that process was delayed now multiple weeks, continuing to place UMESC in a security deficit because we are forced to retain an antiquated and not FIPS 2001 compliant access control system.
9. Fish holding project - shutdown is putting us several weeks to 1-2 mo behind schedule, min. Time lost to be able to restart the project during the shutdown, complicated by lack of ability to communicate with the engineers completing the invasive species holding design for that portion of the project. We are still waiting to complete the design w the A&E firm
10. Building security project - shutdown has delayed procurement of the access card readers - causing us to not have the secure system installed that is required. Will likely extend/delay that project also 1-3 mo.

11. Completion of electrical upgrade project - shutdown forced us to reschedule the completion of a total shutdown of electrical power in 3 building segments to allow replacement of building power switch gear - causing additional laboratory schedule disruption and challenges with contractor coordination.
12. Sea lamprey avoidance testing - we were lucky that we didn't larval sea lamprey at UMESC didn't lose too much body condition, otherwise we would not be able to complete these trials. As is, likely to have just enough animals to complete, but if we have any additional loss we won't be able to complete the study on time.

CERC

Greatest adverse impacts

1. Three employees fell off the USGS rolls for one pay period because their term appointments ended on 1/10/19 and allowances were not made to process paperwork to have them start new positions. All three started new term positions on 1/29/19 and processing by HR to make this happen is greatly appreciated. As the shutdown progressed guidance varied and evolved, it would have been helpful for HR staff to be activated and assist with pending personnel actions. Additionally, there was at times lack of consistent or definitive guidance with respect to HR issues.
2. Another impact was the shutdown affected attendance at a key partner conference in the Midwest Fish and Wildlife Conference. Lack of federal presence showed at the conference and resulted in cancellations from even non-federal staff. While some could see this as a positive (i.e., look how important the feds are, without us people didn't want to attend the conference) there could be a longer effect of how reliable are when it comes to partnerships? Similarly, if reimbursable partners become concerned that shutdowns could begin to happen more frequently, will they go elsewhere when making funding decisions.
3. Like other centers have noted, we have lost valuable preparation time for many studies that could delay project deliverables not to mention reimbursable income and overhead that would have been generated from allowing people to work.
4. Lastly, yet very importantly, we rely a lot on the use of student services contractors and other contractors at CERC. These individuals have no avenues for receiving back pay (in the case of student services contractors) or may not be fully reimbursed by the contracting company. This represents a serious hardship on these individuals and may affect our ability for staff retention and has impacted staff morale.
5. I had ordered 10 new lab chairs before the shutdown but they did not try to deliver until January 17th so the shipping company had to take them back and store them so they charged an extra \$725.25 in shipping costs.

OKI

1. Approximately 35 staff from OKI did not analyze nor approve data records from Dec. 21, 2018 through Jan. 25, 2019. On average OKI staff analyze 24 record periods per day and approve a similar number. That time span was approximately 24 working days. Therefore, we lost 576 record periods that were not analyzed and 576 record periods that were not approved for that time frame.
2. I think you could safely say that every reimbursable project we have is now a month behind schedule and 2.5 pay periods of salary over budget.
3. Our OSM programming project reflects this most easily - PC deadline did not move, he didn't program anything for the 35 days of the furlough (which he now has to make up), and his project now has to pay out an additional ~\$11K to cover his lost salary - not including overhead (2.5 pay periods for PC runs about \$9K salary, 1.7K leave, and \$9.3K overhead).
4. Basically, the \$1.3 million of salary for the OKI WSC and this will pretty much kill any research and development for the year as it drained our funds for doing any in-house development.
5. Also, there is the actual cost of the lost data
6. One full-time permanent staff member (GS-12) took a job with a consultant during the shutdown
7. During the shutdown, OKI received 36 data requests: 11 from the USCOE, 7 from the NWS, 5 from the private sector, 7 from our State partners and 6 from our local partners. None of those were handled till we returned.

NEWSC

1. No loss of equipment or employees
2. Lost one set of monthly QW samples for 4 sites on the Missouri River near Omaha, for CSO monitoring, but no lasting impact
3. Approximately 15 staff from the NEWSC did not analyze nor approve data records from Dec. 21, 2018 through Jan. 25, 2019 (approximately 24 days). On average NEWSC staff analyze 5 record periods per day and approve a similar number. Therefore, 120 record periods were not analyzed and approved for that time frame.
4. Estimations of discharge record during periods of backwater from ice are strongly based on physical measurements of discharge under ice. No measurements of discharge under ice for January at approximately 135 streamgages has decreased the quality of the record for those sites for December and January.

5. For reimbursable studies projects only, I spent some time working through our planned labor and reimbursables and estimated that NEWSC lost at least 1,400 hours of project work across 16 employees, and all projects are now 1 month behind schedule. Estimated labor shortfall is about \$68,900 NET/ not gross. We do not have sufficient leeway in COM funds to cover this shortfall, so the following actions are under consideration:
 - a. cancelling all planned training;
 - b. Not making planned working capital fund contributions for equipment or facilities (like a new lab truck, etc);
 - c. redirecting the entire study section research and innovation fund;
 - d. finding a detail for one or more COM-funded people (?).
6. Reducing project scope or delivery are not feasible, as this would cause irreparable harm to our center.

DAKOTA WSC

1. No loss of staff, luckily. Not sure if that will be the case long term (staff may be actively looking and we are not aware) or if this will impact our ability to recruit. And this might be a different story if we do not have a budget at the end of this CR.
2. Property or facility damage - although it might not be seen quite in that fashion, by being furloughed, we had about 10% of our gage network go down. This results in bubbler lines freezing which means we have to now put in temporary lines which then get ripped out in the spring and then we have to re-install a traditional line. Most of this would have been avoided during a normal work cycle because batteries and nitrogen tanks would have been replaced so the line would not have frozen. This is a massive waste of time and effort when we are not behind on schedule.
3. Unrecoverable losses to science and programs. We have not had any of our cooperators complain or state that they want agreements reworked, however it is early yet. We will have project reviews the week of the 11th and after those we will have a much clearer idea of our timelines and how many agreements we will likely need to generate no-cost extensions for. And we will have a better idea of the impacts to the bottom line/budgets of if/how we will be able to meet commitments knowing we lost 5 weeks of planned hours. The impact of those alone could be substantial because although it does not change how much funding we receive, it does impact which FY those dollars fall into as well as the burden earned - for us and for HQ. There are the other impacts of delayed hiring which impacts ability to meet deadlines, inability to attend conferences where that was explicitly listed in one of the deliverables by the project that we now need to find a way to accommodate in another fashion, and the unknown of how much lost network data there is. And then if staff ask for leave to be reinstated, we have even more time that staff will be paid for but will not be present working. The financial consequences are significant enough that although I believe we as a center will close OK, it will have an impact on things like phone systems, furniture, training, travel, computers, etc.

UMid WSC

Streamgage issues in Minnesota

1. 3 streamgages lost complete telemetry and real-time reporting for many days due to snow-covered solar panels and failing batteries. It's not known yet if un-telemetered data were lost
2. 6 streamgages lost telemetry intermittently due to snow-covered solar panels, but seemed to recover
3. ≥ 12 streamgages reported erroneous stage data as a result of streams freezing and no one available to filter or correct data
4. 27 streamgages (~25% of MN network) exceeded the period of 8-weeks between field discharge measurements, resulting in increased uncertainty in streamflows, just as flood response agencies begin planning for spring snowmelt

Water-quality in Minnesota

1. 3 WQ probe calibrations well overdue, so increased uncertainty in real-time WQ; could find uncertainty exceeds publication criteria (data lost) when final analysis done.
2. (No scheduled samples missed)

Lansing FO:

1. One employee resigned. (b)(6)
2. 9 scheduled QW samples were not collected
3. 6 QW 5-parameter sondes needed/need cleaning and calibration
4. 1 streamgage has lost data and it may be spring before we collect data at the site
5. 4 streamgages lost data
6. 3 GW wells lost data
7. 5 field trips (roughly 50 sites) are overdue

Grayling FO:

1. 2 scheduled QW samples were not collected
2. 2 QW 5-parameter sondes and 17 2-parameter sondes needed/need cleaning and calibration
3. 1 new groundwater well in a very contentious area lost data
4. 1 lake gage in a very contentious area lost data
5. 1 streamgage/water-quality sonde used by a major hydropower cooperator quit broadcasting for a few days
6. Many sites were displaying erroneous discharge data due to icing
7. Our largest cooperator outside of MDEQ (~\$380K program) was having difficulty regulating their hydropower production due to erroneous readings at our gages due to icing and no measurements. They were very unhappy with our ability to respond to anything other than equipment failures (as a follow up I approached Scott and received permission to send field crews pending our discussion with Guertal/Cline last Thursday).
8. Field trips are overdue

Escanaba FO:

1. 2 scheduled QW samples were not collected

2. 3 2-parameter sondes needed/need cleaning and calibration
3. 6 streamgages lost data as a result of battery condition or transmitter failure (4 sites are currently still shut down)
4. 1 streamgage has lost data and it may be spring before we collect data at the site
5. Many sites were displaying erroneous discharge data due to icing
6. Field trips are overdue

Middleton and Rhinelander FOs:

1. 10 SW sites with missing data - may or may not be recoverable - likely not
2. 3 GW sites with missing data - may or may not be recoverable
3. 6 QW sonde sites missed maintenance trips

The Michigan Bacterial Laboratory was in the middle of 2 drinking water studies (one in Puerto Rico and the other in Iowa), both were halted. We were unable to process some samples and entirety and had to wait to process others compromising some sample integrity and changing downstream analyses and what we can ultimately say about those samples. We will also be withdrawing abstracts from a national conference because of the length of the shutdown and inability to get work done.

Samples lost/destroyed: There were significant runoff events across Wisconsin around Christmas and again early in 2019. Autosamplers collected samples during those runoff events, but we were unable to retrieve them. As a result, many of the analytes for those samples exceeded holding times. In addition, some samplers filled during the runoff events, preventing subsequent sampling. Ten stations were affected for the Dane County project (and 1 manual-collection site didn't get any samples at all), 2 stations were affected for the brand new New Water collaborative project in Green Bay, About 10 stations were affected for the Wrightstown/Plum project, and 20+ sites were affected across the Great Lakes for the GLRI EOF project. Wintertime runoff samples are crucial to understanding the temporal differences in analyte loads, especially in livestock-heavy watersheds, where most of the stations are located (manure applications in winter can be very detrimental to water quality). Losing this information is damaging to the project goals. We will use the analyzed concentrations, even with holding time exceedances, because this information is better than guessing. Nonetheless, the data quality will not be up to USGS standards, nor the standards agreed upon with the cooperator.

Known unrecoverables: This may have been the last straw for the Discovery Farms project. While a great cooperator since 2001, their budget has become limiting and they had often complained that USGS was too costly and that our data working/checking/reviewing and publication policies were onerous, expensive, and not fully necessary for the data quality that they desired. I think they were on the cusp of telling us that our services were no longer necessary, and that they would do everything in house. They realize that this is not the best way to go for them, and that data quality will suffer. But they are at the mercy of their budget. Now, during the furlough, they needed some information to present to their cooperators. I was not able to provide that data because we didn't have sufficient time to do the work. They are frustrated with USGS, and are not too far away from cutting the rope.

Rhinelander Field Area

1. 2 GLRI monthly samples missed
2. 1 HBN monthly sample missed
3. 1 streamgage down for 34 days-not sure if the data is recoverable or not.
4. 1 streamgage down for 7 days
5. 3 QW sonde maintenance trips missed.
6. 3 sites with erroneous data that made it the web
7. 9 sites exceeded 8 weeks between discharge measurements

Potentially missed deadlines

1. Confining beds project scheduled for June 30th
2. UMN water storage project
3. RFP for research at the Bemidji site

NWHC

1. Case Medical had a response to a patent application decision that was due 2/4. Because of the lapse in appropriations, neither Jay nor I could get them the required materials for their response. Thus, they are currently filing for an extension to that deadline, but if denied they will have to reapply to the entire patent process (e.g. if denied, it will mean they lost this opportunity for a patent).

2. The wildlife disease and climate change workshop, organized by Dr. Erik Hofmeister, will need to be rescheduled because of the lapse in appropriations.



Kinsinger, Anne <akinsinger@usgs.gov>

(no subject)

1 message

Kinsinger, Anne <akinsinger@usgs.gov>

Tue, Jan 29, 2019 at 11:59 AM

To: James Reilly <jfreilly@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>

Here is a rack-up of major impacts of furlough to HQ - wasn't sure whether you wanted to include in the google doc or not.

Anne E. Kinsinger
Associate Director for Ecosystems
US Geological Survey
12201 Sunrise Valley Dr.
Reston, VA 20192
703-648-4050
Cell: 571-212-6898

**EMA Furlough Effects.docx**

8K

Effects of Furlough on Ecosystems Mission Area

Funding and Agreements:

- The NRPP FY2019 cycle will need to be delayed and the SSP FY2020 cycle may have to be delayed. RFP process for making funding decisions for the FY19 Emerging Diseases Cyclical Disrupted. Secretarial clearance on several CRU Research Work Orders have been delayed which will influence start dates or the continuation of those projects.

Task Forces, Important Meetings and Conferences:

- Missed the Sagebrush Executive Oversight Committee meeting at the Western Association of Fish and Wildlife Agencies Mid-Winter Meeting on Jan 4th. This was an opportunity to provide important updates to State partners.
- Oversight team for the WAFWA Sagebrush Conservation Strategy unable to edit the Strategy document before stakeholder outreach meetings and other important events over the next few months. DOI Invasive Species Task Force in-person MIB meetings for 1/22/19 were cancelled.
- eDNA workshop **with NOAA** and others needs to be rescheduled; USGS led ecological forecasting workshop (**important to Wye River NOAA meeting**) to be rescheduled. Science Planning with BOEM, BLM, NPS, and FWS delayed until it can be rescheduled.
- Wind Energy and Bats coordination call with Wind Industry representatives, U.S. DOE Wind Technologies Program, USFWS, and NGOs missed.
- Several coordination meetings missed with fire management programs in DOI and bureaus, and with other emergency management programs about fire. USGS fire science strategic planning setback: January was slated for rollout of workplan and initiating effort on developing USGS fire science strategic plan. Joint Fire Science Program Governing Board January call canceled, including key discussion on recommendation for future governance of the program. Disrupted program of work, key decisions on renewal of Fire Science Exchange Network program.

Congressional Visits:

- Congressional visits needed to be rescheduled: Call with Kaitlynn Glover (Senator Barrasso) and NOROCK on Big-Game Health and Disease.

HR Actions:

- John Organ vacancy - Next ERB review is most likely February 13th. Sharon prefers to send the package to them asap.



Kinsinger, Anne <akinsinger@usgs.gov>

Exception for sampling in RMNP

1 message

Bowen, Zachary <bowenz@usgs.gov>
To: "Kinsinger, Anne" <akinsinger@usgs.gov>
Cc: "Taylor, Sharon" <sktaylor@usgs.gov>

Wed, Jan 23, 2019 at 10:57 AM

Hello Anne,

Do you know if we have or can get an exception for Jill to do equipment damage control and sample in RMNP?

I didn't see anything more after you forwarded the request to Jim - and we are in a bind. Appending below part of another email from Jill. I fully support and approve her request for the exception. If there is anything I can do just let me know. thanks,

zack

The National Atmospheric Deposition Program (NADP) wet precipitation collectors have been operating since 1983 as part of the national network that was influential in establishing both the causes effects of air pollution that affected health and environment, and the amazing recovery of air quality when emissions controls were put in place due to the Clean Air Act amendments. We have missed only a few weeks over these years and they have been due to government shutdowns. The current shutdown is longer than any other, and is damaging the long-term record necessary for the State of Colorado and EPA to determine whether nitrogen deposition reduction goals are being met. Just as important, with winter snows filling our two precipitation gages and the precipitation bucket, we are in danger of overflowing the gages and damaging the motor that operates the bucket collector. I don't have funds set aside to replace this equipment, should we need to - we are talking approximately \$10,000 for the Aerochemetrics and two NOAH IV gages.

The State of Colorado (Lisa Devore) recently wrote me that "2019 will be considered in the next assessment. Assessments partially depend on deposition data trends. Stakeholders cooperating with the Park Service and the State scrutinize deposition data; when there are data gaps or issues, this undermines the agreement process."

And Greg Wetherbee, the USGS water quality specialist in charge of quality assurance for the NADP has writtem to me of his concern: "a full bucket of snow will definitely break the collector by wearing out the motor." The collector and rain gages are property and they are approaching a danger zone.

Rocky Mountain National Park has excepted their technicians who collect their own NADP samples, and part of the reason they plowed the Bear Lake Road was to allow us access to our trailhead. I hope you can help the park, the State, and me out here.

Thank you,
jill



Kinsinger, Anne <akinsinger@usgs.gov>

Furlough Effects on EMA - Short Doc

2 messages

Wagner, Paul <pwagner@usgs.gov>

Tue, Jan 29, 2019 at 11:42 AM

To: Anne Kinsinger <akinsinger@usgs.gov>

Cc: Colette Charbonneau <ccharbonneau@usgs.gov>

Anne,

I've attached the short list of the furlough effects for EMA. If you need more detail, the google doc from yesterday has been updated and is still accessible.

Let me know if you need any changes made or anything else.

Thanks,

Paul

Paul F Wagner, PhD
Deputy Associate Director for Ecosystems
US Geological Survey
[12201 Sunrise Valley Dr.](#)
[Reston, VA 20192](#)

Desk: 703.648.4034
Work Cell: 703.261.5076 (voice or text)

**EMA Furlough Effects.docx**

8K

Kinsinger, Anne <akinsinger@usgs.gov>

Tue, Jan 29, 2019 at 11:54 AM

To: "Wagner, Paul" <pwagner@usgs.gov>

thanks

Anne E. Kinsinger
Associate Director for Ecosystems
US Geological Survey
12201 Sunrise Valley Dr.
Reston, VA 20192
703-648-4050
Cell: 571-212-6898

[Quoted text hidden]

Effects of Furlough on Ecosystems Mission Area

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Kinsinger, Anne <akinsinger@usgs.gov>

Fwd: Jim: suggest a ELT or AD/RD call re extended shutdown early next week

1 message

Sogge, Mark <mark_sogge@usgs.gov>
To: Anne Kinsinger <akinsinger@usgs.gov>

Fri, Jan 4, 2019 at 11:55 AM

FYI

Mark

Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108

----- Forwarded message -----

From: **Sogge, Mark** <mark_sogge@usgs.gov>
Date: Fri, Jan 4, 2019 at 8:48 AM
Subject: Jim: suggest a ELT or AD/RD call re extended shutdown early next week
To: James Reilly <jfreilly@usgs.gov>
Cc: William Werkheiser <whwerkhe@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>

Hi Jim. From the media coverage, it would seem that the shutdown may go on substantially longer. An extended shutdown always brings up more challenges, and impacts start to reach far beyond the emergency response, protecting life and property activities, etc.

I think it would be really useful for you to host an ELT-level call (or just with the ADs and RDs) to discuss implications of a longer shutdown, potential mitigation measures, etc. One item in particular that concerns Centers is the impact of the shutdown on reimbursable-funded projects and people. Not only is there the issue of delayed work, there is a catch 22 of likely having to pay employees for the furlough days, but not being able to charge their furlough time to the projects (because they weren't working on the activities outlined in the agreements).

I suspect you have been considering and working on some of these challenges already with those at HQ who are excepted, and it would be very helpful for those of us in the field to get a sense of your thinking, raise questions and ideas, etc. Any thoughts about setting up a call early next week (barring a budget agreement)?

Mark

Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108

Label: "FOIA Shutdown"

Created by: whwerkhe@usgs.gov

Total Messages in label: 78 (24 conversations)

Created: 04-25-2019 at 12:00 PM

Conversation Contents

USGS-USAID Middle East Water Workshop

"Labson, Victor" <vlabson@usgs.gov>

From: "Labson, Victor" <vlabson@usgs.gov>
Sent: Fri Jan 11 2019 10:00:08 GMT-0700 (MST)
To: "Werkheiser, William" <whwerkhe@usgs.gov>
CC: "Harris, Margo" <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, "Beard, Douglas" <dbeard@usgs.gov>, "Goode, Daniel" <djgoode@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>
Subject: USGS-USAID Middle East Water Workshop

Bill,

There is a USAID funded Middle East Water Workshop in Cyprus that is part of our funded USAID program. The workshop is the week after next, just beyond what we had agreed to report in the spreadsheet earlier this week. This is becoming timely as the approvals remaining to be acquired may take some time. This activity has national security and USGS intellectual property importance.

I would like to request exception for travel and participation for:

Dan Goode, PaWSC, Project Chief
Gabriel Senay, EROS
Manohar Velpuri, EROS-Contractor
Galen Gorski, USGS/NSF-GRIP intern

USAID supports this request and it cannot be postponed as it must be concluded before January 31 to comply with a new law prohibiting US government support to the West Bank and Gaza after that date. None of the USGS participants work for me but the agreement with USAID is held by the Office of International Programs.

I'm not too certain how to approach request for staff working for other centers, but this is important to my Office, so I'm making the request. Sorry if this is a little confusing, but it is a complicated situation.

Thanks,

Vic

Victor F Labson, PhD
Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

Cynthia Lodge <clodge@usgs.gov>

From: Cynthia Lodge <clodge@usgs.gov>
Sent: Fri Jan 11 2019 10:57:52 GMT-0700 (MST)
To: "Labson, Victor" <vlabson@usgs.gov>
CC: "Werkheiser, William" <whwerkhe@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, "Beard, Douglas" <dbeard@usgs.gov>, "Goode, Daniel" <djgoode@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>
Subject: Re: USGS-USAID Middle East Water Workshop

Sorry Vic, No travel is required.

Sent from my iPhone

On Jan 11, 2019, at 12:00 PM, Labson, Victor <vlabson@usgs.gov> wrote:

Bill,

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Victor F Labson, PhD
Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

"Labson, Victor" <vlabson@usgs.gov>

From: "Labson, Victor" <vlabson@usgs.gov>
Sent: Fri Jan 11 2019 11:13:35 GMT-0700 (MST)
To: Cynthia Lodge <clodge@usgs.gov>
CC: "Werkheiser, William" <whwerkhe@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, "Beard, Douglas" <dbeard@usgs.gov>, "Goode, Daniel" <djgoode@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>
Subject: Re: USGS-USAID Middle East Water Workshop

Cindy,

We can't have travel for an excepted activity with reimbursable funding? This is a commitment we can't meet without traveling to the location.

This gets more and more confusing, but I guess we can't be too surprised.

Vic

Victor F Labson, PhD
Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

On Fri, Jan 11, 2019 at 12:57 PM Cynthia Lodge <clodge@usgs.gov> wrote:
Sorry Vic, No travel is required.

Sent from my iPhone

On Jan 11, 2019, at 12:00 PM, Labson, Victor <vlabson@usgs.gov> wrote:

Bill,

There is a USAID funded Middle East Water Workshop in Cyprus that is part of our funded USAID program. The workshop is the week after next, just beyond what we had agreed to report in the spreadsheet earlier this week. This is becoming timely as the approvals remaining to be acquired may take some time. This activity has national security and USGS intellectual property importance.

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Gabriel Senay, EROS
Manohar Velpuri, EROS-Contractor
Galen Gorski, USGS/NSF-GRIP intern

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I'm not too certain how to approach request for staff working for other centers, but this is important to my Office, so I'm making the request. Sorry if this is a little confusing, but it is a complicated situation.

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"Labson, Victor" <vlabson@usgs.gov>

From: "Labson, Victor" <vlabson@usgs.gov>
Sent: Mon Jan 14 2019 07:43:32 GMT-0700 (MST)
To: "Werkheiser, William" <whwerkhe@usgs.gov>
CC: "Harris, Margo" <mrharris@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, "Anderson, James" <jganderson@usgs.gov>
Subject: Re: USGS-USAID Middle East Water Workshop

Bill,

We have to decide to continue with the Middle East Water Workshop or decide to cancel by the end of the day due to cancelation penalties. This workshop is our only opportunity for an orderly shutdown of the project implementation with the West Bank to comply with the recently passed Anti-Terrorism Clarification Act (ATCA) as directed by USAID, while salvaging much of our progress to date. USAID fully supports our implementation of this workshop under these conditions. At the workshop we will finalize the close out plan and collect the final input from our West Bank partners, for us to use later to prepare project deliverables for USAID.

If we are not exempted for this workshop, we will lose most of the work to date by all of our project team (including partners from Egypt, Jordan, and Lebanon) for the West Bank part of the project, which represents 1/3 of the study area, and we will not be able to implement an orderly shutdown for the West Bank implementation.

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Tel: 703-648-6206
vlabson@usgs.gov

William Werkheiser <whwerkhe@usgs.gov>

From: William Werkheiser <whwerkhe@usgs.gov>
Sent: Mon Jan 14 2019 08:29:52 GMT-0700 (MST)

To: "Labson, Victor" <vlabson@usgs.gov>
CC: "Harris, Margo" <mrharris@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, "Anderson, James" <jganderson@usgs.gov>
Subject: Re: USGS-USAID Middle East Water Workshop

Hi Vic: I am currently on detail to DOI, but will offer my opinion. To me this falls into the high Criteria 2 category. I understand there is travel involved, but if there is enough cash on hand to cover seems like a worthwhile use, considering State considers this a high priority and we don't want to be in violation of the ATCA. -Best, Bill

Sent from my iPad

On Jan 14, 2019, at 9:43 AM, Labson, Victor <vlabson@usgs.gov> wrote:

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vlabson@usgs.gov

"Labson, Victor" <vlabson@usgs.gov>

From: "Labson, Victor" <vlabson@usgs.gov>
Sent: Mon Jan 14 2019 09:08:37 GMT-0700 (MST)
To: William Werkheiser <whwerkhe@usgs.gov>
Subject: Re: USGS-USAID Middle East Water Workshop

Bill,

I heard this morning that you had started at DOI today, best of luck, please let me know if there is anything I can do to help you.

I just spoke with Jim, he is willing to bring this up with Bernhardt this afternoon. It is complicated by the anti-terrorism law, otherwise we could postpone like everything else. Nothing these days is simple.

Vic

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Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

On Mon, Jan 14, 2019 at 10:29 AM William Werkheiser <whwerkhe@usgs.gov> wrote:

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National Center, MS 917

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Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

"Goode, Daniel" <djgoode@usgs.gov>

From: "Goode, Daniel" <djgoode@usgs.gov>
Sent: Mon Jan 14 2019 09:11:56 GMT-0700 (MST)
To: William Werkheiser <whwerkhe@usgs.gov>
Subject: Fwd: USGS-USAID Middle East Water Workshop

Hi Bill,
I think they left you off cc by mistake!
FYI.
Hope you're well,
Dan

Daniel J. Goode 717-571-8783 [Profile](#)
[USGS Pennsylvania Water Science Center](#)
(stationed @ [New Jersey WSC](#) 609-406-3812)

----- Forwarded message -----

From: **Lodge, Cynthia** <clodge@usgs.gov>
Date: Mon, Jan 14, 2019 at 10:42 AM
Subject: Re: USGS-USAID Middle East Water Workshop
To: Labson, Victor <vlabson@usgs.gov>
Cc: Harris, Margo <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, Beard, Douglas <dbeard@usgs.gov>, Goode, Daniel <djgoode@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>

Vic,
JR has requested that you call him.
571-443-0055
or
(b)(6)

Cynthia (Cindy) Lodge
USGS Associate Director BPI
office (703) 648-4443
cell 571-524-2239

On Fri, Jan 11, 2019 at 12:00 PM Labson, Victor <vlabson@usgs.gov> wrote:
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vlabson@usgs.gov



Conversation Contents

Special case request status

Cynthia Lodge <clodge@usgs.gov>

From: Cynthia Lodge <clodge@usgs.gov>
Sent: Fri Jan 11 2019 14:00:15 GMT-0700 (MST)
To: elt@usgs.gov
CC: gs-do_dads_and_drds@usgs.gov, abarrett@usgs.gov, mcantrill@usgs.gov, sdelung@usgs.gov
Subject: Special case request status

The Director and I thank you for all your hard work in submitting the justification for work. This afternoon we met with the Acting Interior Secretary and other bureaus to discuss the budget and outlook. We have new guidance and need to apply it to the special case request. Our plan is to tag up with you by Wednesday next week with the new guidance and approved work. Stay tuned. v/r Cynthia (Cindy) Lodge Associate Director BPI
United States Geological Survey (703) 648-4443

Conversation Contents

Required Travel Needed to Perform Excepted Work Activities

Attachments:

/3. Required Travel Needed to Perform Excepted Work Activities/1.1 Travelers with start date of 1-12 through 1-20-19.xlsx

"Anderson, James" <jganderson@usgs.gov>

From: "Anderson, James" <jganderson@usgs.gov>
Sent: Fri Jan 11 2019 13:46:29 GMT-0700 (MST)
To: elt@usgs.gov
CC: Lisa Womack <lwomack@usgs.gov>, "Riley, Kerry" <kriley@usgs.gov>, Pamela Kutsko <pkutsko@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, Katherine McCulloch <kmcculloch@usgs.gov>, Shari Delung <sdelung@usgs.gov>, Joseph Seger <jseger@usgs.gov>, James Anderson <jganderson@usgs.gov>
Subject: Required Travel Needed to Perform Excepted Work Activities
Attachments: Travelers with start date of 1-12 through 1-20-19.xlsx

Executive Leadership Team,

As we enter week four of shutdown operations the likelihood of travel required to perform excepted work activities will increase. Please remind your staff that all travel associated with the performance of an excepted activity should be local and only be completed with your approval. If non-local travel associated with an emergency is required within 24 hours please notify Cindy Lodge at clodge@usgs.gov and I at jganderson@usgs.gov who will expedite the internal approval process. All other non-local travel should be routed through Cindy for approval.

Also, we are currently handling the cancelation of previously scheduled non-excepted work-related travel reservations centrally. Attached is a report showing all reservations scheduled for 1/12 – 1/20. Each morning, staff will cancel the reservations unless told otherwise. Unfortunately, we have no way of obtaining hotel information for lodging booked outside of ConcurGov. Where possible employees should be instructed to cancel those reservations themselves or as appropriate notify an ELT member who can then pass on the information.

Due to the large volume of work and limited staff availability this process will be re-evaluated over the course of the next week.

If anyone has any questions associated with this process please reach out to Pamela Kutsko at pkutsko@usgs.gov and Kerry Riley at kriley@usgs.gov who are working hard to manage these issues. Thanks.

James G. Anderson
Acting Associate Director for Administration
jganderson@usgs.gov
703-648-7200

Warning: This message is intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by return e-mail.

Row Labels	Count of Document Name
Jan 12, 2019	4
Jan 13, 2019	69
Jan 14, 2019	88
Jan 15, 2019	26
Jan 16, 2019	20
Jan 17, 2019	4
Jan 18, 2019	7
Jan 19, 2019	3
Jan 20, 2019	3
Grand Total	224

[illegible]

[illegible]

[illegible]

Detailed Travel Document List - Authorization with Location

Report Prompt Selection Page, Report Run On Jan 10, 2019 9:06:32 AM PST

The purpose of this report is to display a list of authorizations or vouchers for a specific TDY per diem location. The report will display one row of data per document and TDY per diem location. Documents with multiple TDY per diem locations will be repeated across rows.

Prompt Selections		
1	Report Date Prompt	Trip Departure Date
2	Date Range Prompt	Custom Date Range Between Jan 10, 2019 and Jan 20, 2019
3	Authorizations or Vouchers	Authorizations
4	TDY Per Diem State or Country	, AFGHANISTAN, ALABAMA, ALASKA, ALBANIA, ALGERIA, ALL PLACES NOT LISTED(O), AMERICAN SAMOA, ANGOLA, ANTARCTICA, ANTIGUA AND BARBUDA, ARGENTINA, ARIZONA, ARKANSAS, ARMENIA, AUSTRALIA, AUSTRIA, BAHAMAS, THE, BAHRAIN, BELARUS, BELGIUM, BELIZE, BENIN, BERMUDA, BOLIVIA, BOSNIA AND HERZEGOVINA, BOTSWANA, BRAZIL, BULGARIA, BURKINA FASO, BURMA, BURUNDI, CALIFORNIA, CAMBODIA, CAMEROON, CANADA, CHAD, CHILE, CHINA, COLOMBIA, COLORADO, COMOROS, CONGO, DEMOCRATIC REP, CONNECTICUT, COSTA RICA, COTE D'IVOIRE, CROATIA, CUBA, CYPRUS, CZECH REPUBLIC, DELAWARE, DENMARK, DISTRICT OF COLUMBIA, DJIBOUTI, DOMINICAN REPUBLIC, ECUADOR, EGYPT, EL SALVADOR, ESTONIA, ETHIOPIA, FAROE ISLANDS, FIJI, FINLAND, FLORIDA, FRANCE, FRENCH POLYNESIA, GABON, GEORGIA, GEORGIA, REPUBLIC OF, GERMANY, GHANA, GREECE, GREENLAND, GRENADA, GUADELOUPE, GUAM, GUATEMALA, GUINEA, GUYANA, HAITI, HAWAII, HONDURAS, HONG KONG, HUNGARY, ICELAND, IDAHO, ILLINOIS, INDIA, INDIANA, INDONESIA, IOWA, IRAQ, IRELAND, ISRAEL, ITALY, JAMAICA, JAPAN, JERUSALEM, JORDAN, KANSAS, KAZAKHSTAN, KENTUCKY, KENYA, KOREA, SOUTH, KOSOVO, KUWAIT, KYRGYZSTAN, LAOS, LEBANON, LITHUANIA, LOUISIANA, LUXEMBOURG, MACEDONIA, MADAGASCAR, MAINE, MALAWI, MALAYSIA, MALTA, MARSHALL ISLANDS, MARYLAND, MASSACHUSETTS, MAURITANIA, MAURITIUS, MEXICO, MICHIGAN, MICRONESIA, FEDERATED STATES OF, MIDWAY ISLANDS, MINNESOTA, MISSISSIPPI, MISSOURI, MONACO, MONGOLIA, MONTANA, MOROCCO, MOZAMBIQUE, NAMIBIA, NEBRASKA, NEPAL, NETHERLANDS, NETHERLANDS ANTILLES, NEVADA, NEW CALEDONIA, NEW HAMPSHIRE, NEW JERSEY, NEW MEXICO, NEW YORK, NEW ZEALAND, NICARAGUA, NIGER, NIGERIA, NIUE, NONE, NORTH CAROLINA, NORTH DAKOTA, NORTHERN MARIANA ISLANDS, NORWAY, OHIO, OKLAHOMA, OMAN, OREGON, OTHER FOREIGN LOCALITIES, PAKISTAN, PALAU, PANAMA, PAPUA NEW GUINEA, PARAGUAY, PENNSYLVANIA, PERU, PHILIPPINES, POLAND, PORTUGAL, PUERTO RICO, QATAR, REPUBLIC OF THE CONGO, REUNION, RHODE ISLAND, ROMANIA, RUSSIA, RWANDA, SAINT KITTS AND NEVIS, SAMOA, SAUDI ARABIA, SENEGAL, SERBIA, SEYCHELLES, SINGAPORE, SLOVAKIA, SLOVENIA, SOLOMON ISLANDS, SOUTH AFRICA, SOUTH CAROLINA, SOUTH DAKOTA, SPAIN, SRI LANKA, SUDAN, SWEDEN, SWITZERLAND, TAIWAN, TAJIKISTAN, TANZANIA, TENNESSEE, TEXAS, THAILAND, TOGO, TONGA, TRINIDAD AND TOBAGO, TUNISIA, TURKEY, TURKS AND CAICOS ISLANDS, TUVALU, UGANDA, UKRAINE, UNITED ARAB EMIRATES, UNITED KINGDOM, URUGUAY, UTAH, UZBEKISTAN, VENEZUELA, VERMONT, VIETNAM, VIRGIN ISLANDS (U.S.), VIRGIN ISLANDS, BRITISH, VIRGINIA, WASHINGTON, WEST VIRGINIA, WISCONSIN, WYOMING, ZAMBIA, ZIMBABWE
5	TDY Per Diem Location	All values included
6	Organization	All values included
7	Document Current Status	\$0 VOUCHER, AUDIT PASS, AUTHORIZATION APPROV, AUTHORIZATION SIGNED, CANCELLED, COMPLETED, CREATED, Cancelled, EXPORTED, INVALID, NO CLAIM, NO TV FILED, RESERVATIONS CANCEL, RESERVATIONS UPDATED, RETURNED, REVIEWED, VOUCHER APPROVED, VOUCHER SIGNED
8	Employee	All values included

Conversation Contents

Bill - PRIORITY - PIWSC request to do critical work for Navy

"Sogge, Mark" <mark_sogge@usgs.gov>

From: "Sogge, Mark" <mark_sogge@usgs.gov>
Sent: Thu Jan 10 2019 15:24:04 GMT-0700 (MST)
To: William Werkheiser <whwerkhe@usgs.gov>
Subject: Bill - PRIORITY - PIWSC request to do critical work for Navy

Hi Bill. The PIWSC have to pull some water-level monitoring equipment, at the direction of the Navy. Navy says it has to happen right away. This is a bit different from gage maintenance, so I asked them to provide the summary below. I definitely support giving them the go-ahead; do you concur?

Mark

Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108

----- Forwarded message -----

From: **Hylton, Travis** <thylton@usgs.gov>
Date: Thu, Jan 10, 2019 at 2:20 PM
Subject: Critical work for Navy
To: Mark Sogge <mark_sogge@usgs.gov>
Cc: Anthony, Stephen <santhony@usgs.gov>, Mitchell, Jackson <jnmitchell@usgs.gov>

Hi Mark,

Thanks for taking my call just now. As mentioned, we need to complete some critical work for the Navy by tomorrow. The work was noted on the datacall submitted to Bill Guertal and the Water Mission Area on Tuesday that I forwarded to you for awareness.

To recap and provide more detail, we need to remove water-level monitoring equipment from several groundwater monitoring wells in and around the Navy's Red Hill bulk fuel facility. The work will require the effort of one person for an 8-hour day. The urgency is due to the fact that the Navy needs to perform regulatory compliance water-quality sampling in these same wells, and that sampling cannot be delayed any further without incurring stipulated penalties through the USEPA RCRA process and the Administrative Order on Consent (AOC) that the Navy is operating under. The bulk fuel facility is critical to the Navy's operational mission, and the facility is also co-located with the primary drinking water source for Pearl Harbor, so the water quality sampling is critical the Navy mission as well. To ensure data continuity for AOC requirements, the USGS needs to make water level measurements with calibrated tapes and retrieve the pressure transducers from these wells. Funding for the work comes from the DoD.

Please indicate if we can proceed with the work so we can make arrangements to complete these critical actions tomorrow, Friday, January 11.

Thank you,
Travis

Respectfully,

Travis W. Hylton, PE, D.WRE, BCEE | Associate Director, Hydrologic Studies Chief
U.S. Geological Survey | Pacific Islands Water Science Center
Inouye Regional Center | 1845 Wasp Blvd., Bldg. 176 | Honolulu, HI 96818
808.690.9595
thylton@usgs.gov | <https://hi.water.usgs.gov>

William Werkheiser <whwerkhe@usgs.gov>

From: William Werkheiser <whwerkhe@usgs.gov>
Sent: Thu Jan 10 2019 23:01:14 GMT-0700 (MST)
To: "Sogge, Mark" <mark_sogge@usgs.gov>
Subject: Re: Bill - PRIORITY - PIWSC request to do critical work for Navy

Hi Mark. I concur. -Bill

Sent from my iPad

On Jan 10, 2019, at 5:24 PM, Sogge, Mark <mark_sogge@usgs.gov> wrote:

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6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108

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To recap and provide more detail, we need to remove water-level monitoring equipment from several groundwater monitoring wells in and around the Navy's Red Hill bulk fuel facility. The work will require the effort of one person for an 8-hour day. The urgency is due to the fact that the Navy needs to perform regulatory compliance water-quality sampling in these same wells, and that sampling cannot be delayed any further without incurring stipulated penalties through the USEPA RCRA process and the Administrative Order on Consent (AOC) that the Navy is operating under. The bulk fuel facility is critical to the Navy's operational mission, and the facility is also co-located with the primary drinking water source for Pearl Harbor, so the water quality sampling is critical the Navy mission as well. To ensure data continuity for AOC requirements, the USGS needs to make water level measurements with calibrated tapes and retrieve the pressure transducers from these wells. Funding for the work comes from the DoD.

Please indicate if we can proceed with the work so we can make arrangements to complete these critical actions tomorrow, Friday, January 11.

Thank you,
Travis

Respectfully,

Travis W. Hylton, PE, D.WRE, BCEE | Associate Director, Hydrologic Studies Chief
U.S. Geological Survey | Pacific Islands Water Science Center
Inouye Regional Center | 1845 Wasp Blvd., Bldg. 176 | Honolulu, HI 96818
808.690.9595
thylton@usgs.gov | <https://hi.water.usgs.gov>

"Sogge, Mark" <mark_sogge@usgs.gov>

From: "Sogge, Mark" <mark_sogge@usgs.gov>
Sent: Fri Jan 11 2019 08:14:20 GMT-0700 (MST)
To: William Werkheiser <whwerkhe@usgs.gov>
Subject: Re: Bill - PRIORITY - PIWSC request to do critical work for Navy

Thanks Bill. Happy Friday... for what relief that brings to your week!

Mark

*Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108*

On Thu, Jan 10, 2019 at 10:01 PM William Werkheiser <whwerkhe@usgs.gov> wrote:

Hi Mark. I concur. -Bill

Sent from my iPad

On Jan 10, 2019, at 5:24 PM, Sogge, Mark <mark_sogge@usgs.gov> wrote:

Hi Bill. The PIWSC have to pull some water-level monitoring equipment, at the direction of the Navy. Navy says it has to happen right away. This is a bit different from gage maintenance, so I asked them to provide the summary below. I definitely support giving them the go-ahead; do you concur?

Mark

*Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108*

----- Forwarded message -----

From: **Hylton, Travis** <thylton@usgs.gov>
Date: Thu, Jan 10, 2019 at 2:20 PM
Subject: Critical work for Navy
To: Mark Sogge <mark_sogge@usgs.gov>
Cc: Anthony, Stephen <santhony@usgs.gov>, Mitchell, Jackson <jnmitchell@usgs.gov>

Hi Mark,

Thanks for taking my call just now. As mentioned, we need to complete some critical work for the Navy by tomorrow. The work was noted on the datacall submitted to Bill Guertal and the Water Mission Area on Tuesday that I forwarded to you for awareness.

To recap and provide more detail, we need to remove water-level monitoring equipment from several groundwater monitoring wells in and around the Navy's Red Hill bulk fuel facility. The work will require the effort of one person for an 8-hour day. The urgency is due to the fact that the Navy needs to perform regulatory compliance water-quality sampling in these same wells, and that sampling cannot be delayed any further without incurring stipulated penalties through the USEPA RCRA process and the Administrative Order on Consent (AOC) that the Navy is operating under. The bulk fuel facility is critical to the Navy's operational mission, and the facility is also co-located with the primary drinking water source for Pearl Harbor, so the water quality sampling is critical the Navy mission as well. To ensure data continuity for AOC requirements, the USGS needs to make water level measurements with calibrated tapes and retrieve the pressure transducers from these wells. Funding for the work comes from the DoD.

Please indicate if we can proceed with the work so we can make arrangements to complete these critical actions tomorrow, Friday, January 11.

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Conversation Contents

Pacific Region responses to Special Case feedback

Attachments:

/5. Pacific Region responses to Special Case feedback/1.1 Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19b - Feedback responses.xlsx

"Sogge, Mark" <mark_sogge@usgs.gov>

From: "Sogge, Mark" <mark_sogge@usgs.gov>
Sent: Thu Jan 10 2019 15:00:58 GMT-0700 (MST)
To: "Lodge, Cynthia" <clodge@usgs.gov>
CC: William Werkheiser <whwerkhe@usgs.gov>
Subject: Pacific Region responses to Special Case feedback
Attachments: Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19b - Feedback responses.xlsx

Hi Cindy. Here are the answers to the questions posed. I highlighted (light blue) cells that have been modified.

Mark

*Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108*

On Thu, Jan 10, 2019 at 10:33 AM Lodge, Cynthia <clodge@usgs.gov> wrote:

Today and tomorrow to the W&S director. Some are ready and some need answers.

*Cynthia (Cindy) Lodge
USGS Associate Director BPI
office (703) 648-4443
cell 571-524-2239*

On Thu, Jan 10, 2019 at 1:32 PM Sogge, Mark <mark_sogge@usgs.gov> wrote:

Do you know when Jim will present these to DOI?

Mark

*Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108*

On Thu, Jan 10, 2019 at 10:29 AM Lodge, Cynthia <clodge@usgs.gov> wrote:

Yes that means he approves it just needs Dep Sec approval

And just change duration to less than 2 weeks and focus on what needs to absolutely need to be done in next 2 weeks.
Thanks

*Cynthia (Cindy) Lodge
USGS Associate Director BPI
office (703) 648-4443
cell 571-524-2239*

On Thu, Jan 10, 2019 at 1:22 PM Sogge, Mark <mark_sogge@usgs.gov> wrote:

Hi again. I will work to dig up answers to the questions posed.

A question for you: does "Tentative Approval" mean that Jim supports it, but still needs to get Sec/Dep Sec approval? If so, do you know when the tentatively approved tasks will be presented to DOI?

Mark

*Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
office 916-278-9551; mobile 916-207-4108*

On Thu, Jan 10, 2019 at 9:55 AM Lodge, Cynthia <clodge@usgs.gov> wrote:

Please address comments in last column

*Cynthia (Cindy) Lodge
USGS Associate Director BPI*

office (703) 648-4443
cell 571-524-2239

Cynthia Lodge <clodge@usgs.gov>

From: Cynthia Lodge <clodge@usgs.gov>
Sent: Thu Jan 10 2019 15:08:30 GMT-0700 (MST)
To: "Sogge, Mark" <mark_sogge@usgs.gov>
CC: William Werkheiser <whwerkhe@usgs.gov>
Subject: Re: Pacific Region responses to Special Case feedback

Thanks

Sent from my iPhone

On Jan 10, 2019, at 5:00 PM, Sogge, Mark <mark_sogge@usgs.gov> wrote:

Hi Cindy. Here are the answers to the questions posed. I highlighted (light blue) cells that have been modified.

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*Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
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A question for you: does "Tentative Approval" mean that Jim supports it, but still needs to get Sec/Dep Sec approval? If so, do you know when the tentatively approved tasks will be presented to DOI?

Mark

*Mark Sogge, Regional Director, USGS Pacific Region
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819
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Please address comments in last column

*Cynthia (Cindy) Lodge
USGS Associate Director BPI
office (703) 648-4443
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<Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19b - Feedback responses.xlsx>

Shutdown Planning: Special Case Activities Spend Plan

Priority (1, 2, 3, 4)	Mission Area, Program or Center	Customer	Description of Activity	Impact to mission if not performed (Why its important now)	Location	Fund source	Duration	# of Staff
1 & 2	Earthquake Science Center	California Governor's Office of Emergency Services (Cal OES)	Continue work to permit and install seismic stations for EEW in California. This would require activation of an environmental compliance officer and a contractor (for permitting), three field technicians (for station installation), an Admin. Assistant (to make travel arrangements) and two project managers (Pasadena and Menlo Park).	Earthquake Science Center staff must complete work to permit and install seismic stations funded by Cal OES by the end of March in order to get paid. Failing to complete this California-state funded work would result in lost funding, significantly delay the full implementation of EEW in California, and permanently damage our relationship with Cal OES.	Field work, telework, and ESC offices in Menlo Park (GSA bldg) and Pasadena	Reimbursable from 2018/19 Calif. State Budget (through Cal OES). All funds currently in hand.	90 days	8
1 & 2	Earthquake Science Center	Congress	Continue to approve and monitor Pilot Projects for the ShakeAlert EEW system. This would require activating the ESC Center Director, Coordinator for ShakeAlert Communication, Education, and Outreach and the EEW Project Chief. The Director of the Earthquake Science Center is already activated and will also be participating in this activity.	The USGS has prime responsibility for approving and monitoring progress with about 80 Pilot Projects that use USGS-generated ShakeAlerts to take automatic actions and alert end users in the event of potentially damaging earthquakes. Daily, pilot partners are asking USGS for technical advice on the capabilities and limitations of EEW, education and training for earthquake response, and testing and optimization of ShakeAlert delivery mechanisms (cell phone apps, WEA, etc.). Failure to remain engaged with ShakeAlert Pilot partners via email, phone calls and meetings could have serious safety implications for technical end users and the public, including people who downloaded the EEW cell phone app released by the City of LA.	Telework	FY18 NHMA carryover	10 days	3
2	Westen Ecological Research Center	U.S. Fish & Wildlife Service	Field monitoring of spadefoot toad - a USFWS high priority pre-listing species	The USFWS is required to make listing determination for spadefoot toad by early 2020. Determining the toad's current status requires information on current presence/absence and numbers at historic sites; toads can only be effectively located during the on-going precipitation events. If enough surveys are not conducted, USFWS listing determination could be impacted.	Field work	2018 Appropriated. USFWS obligated and provided FY18 funding to USGS amphibian experts to conduct surveys.	10 days (8 days field work; 2 days field prep)	6
2	Nevada Water Science Center	Bureau of Land Management & private industry	Storm runoff sampling at experimental dust palliative application area	A year-long experimental application of dust palliative is underway at an energy facility in the Mojave Desert. The USGS is sampling the runoff after each rain storm (which are infrequent in Southern NV) to determine the fate and transport of the compound. There has already been one missed sampling opportunity due to the lapse. This is likely a one-time data collection opportunity, due to existing private industry participation. If samples cannot be collected during infrequent storm events this winter or spring (the end of the planned data collection period), the NVWSC will not be able to meet contractual obligations. There is a storm forecast for sometime around January 14th, and the site could easily be dry for months afterward.	Field work	Reimbursable from BLM (>\$50,000 total funding) BLM funding is prior year (FY17) Completed JFA expires in Sept 2020	1 day	2

2	Nevada Water Science Center	Tahoe Regional Planning Agency, Lahontan Regional Water Quality Control Board, California Tahoe Conservancy, and Congress	Collection of storm water samples in Lake Tahoe Basin Tributaries; sediment, nutrients, and streamflow.	USGS is responsible for collecting sediment and nutrient input data to understand the impact of storms to Lake Tahoe water clarity. Missing time-sensitive sampling opportunities of winter storms will impact contractual obligations with multiple agencies. Lake Tahoe sampling is high-profile study for the NVWSC and multiple agencies depend on continued USGS storm data for analysis of their parallel data sets. The Lake Tahoe basin is currently in the peak storm season with storm events forecast over the next two weeks (Jan 10 - 24).	Field work	65% Reimbursable from Tahoe partners; 35% Appropriated from WMA cooperative matching funds. >\$300,000 total funding. Approved 3-year JFA expires in Sept 2021	6 days	3
2	Water, Nevada Water Science Center	Nevada Dept of Transportation and Congress	Collection of storm water samples in the Clear Creek watershed. Sediment, metals, nutrients and streamflow.	Storm events in the Clear Creek drainage impacts water quality used for public supply and downstream infrastructure and highways. NDOT uses storm sampling information to guide tens of millions of dollars of State funding to reduce impacts from state and federal highways running through the drainage. If USGS fails to collect time-sensitive nutrient and sediment data, our cooperative relations and contractual obligations with NDOT will be jeopardized. The Clear Creek drainage is currently in the peak storm season with storm events forecast over the next two weeks (Jan 10 - 24).	Field work	65% Reimbursable from NDOT; 35% Appropriated from WMA cooperative matching funds. ~ \$100,000 total funding. Approved 4-year JFA expires in Sept 2021	Less than 7 days, depending on road conditions and access	2
2	California Water Science Center	Bureau of Reclamation	Hydrologic monitoring and assessments required for the Federal Central Valley Project operations and adaptive management of the California Bay-Delta.	The CAWSC provides crucial hydrologic data and information to the Bureau of Reclamation, which relies on this data and information in the wet winter season for daily Central Valley Project operations and adaptive management decisions in the Bay-Delta (e.g. implementing WIIN Act provisions that allow increased exports to farmers when Delta inflows increase). Disruption of this work may result in serious impact on water project operations and prevent on-time delivery of critically needed information products.	University-based office and field office (in non-federal facilities), and field work in the Delta	100% appropriated - 2019 Bureau of Reclamation funding (have already received \$6M for FY19 use)	80 days (CA peak wet season January-March)	20
2	California Water Science Center	California Department of Water Resources	Hydrologic monitoring and assessments required for the California State Water Project operations and adaptive management of the California Bay-Delta.	The CAWSC provides crucial hydrologic data and information about the San Francisco Bay-Delta to the California Department of Water Resources (CDWR) and numerous stakeholders during the wet winter season. This includes data and information about sediment and pollutant runoff after recent wildfires. This work is funded mostly by CDWR and required for State water project operations and management decisions in the California Bay-Delta regarding the water supply for millions of Californians. Disruption of this work may have serious impacts on water project operations and prevent on-time delivery of critically needed information products so that work can be billed.	University-based office and field office (in non-federal facilities), and field work in the Delta and adjacent Cache Creek watershed.	92% California Department of Water Resources funding, 8% USGS matching funds (approps.)	80 days (CA peak wet season January-March)	12

2	California Water Science Center	California State Water Resources Control Board	Monitoring and assessments of groundwater quality in priority groundwater basins required to protect drinking, agricultural, and industrial water quality for millions of Californians.	The CAWSC provides critically important data and information about groundwater quality in priority groundwater basins required by the California State Water Quality Control Board (SWRCB) to protect California's critical groundwater supply. The work is almost entirely (97%) funded by the SWRCB. The USGS must meet quarterly deliverable targets so that work can be billed. Two agreements with the SWRCB expire March 31, 2019, after which the obligated funds from the State expire. On-time completion of the deliverables is necessary to receive full payment of the obligated State funds.	University-based offices in Sacramento and San Diego (non-federal facilities) and telework	97% California State Water Resources Control Board funding (some expires March 31, 2019), 3% USGS matching funds (approps.)	80 days (to end of 2 funding agreements expiring on March 31, 2019)	30
2	California Water Science Center	Congress, Calif State Water Resources Control Board, Calif Dept of Water Resources	Sampling of water-quality impacts of recent Camp Fire in California	As part of a multi-Center study, CAWSC needs to conduct time sensitive water-quality sampling during winter storms in areas affected by the devastating Camp Fire in Northern California. This sampling will assess potential impacts of the fire on drinking water quality, with a focus on organics and chromium. Failing to collect data during coming storms seriously compromises the data set, as these runoff events can not be duplicated later.	Fieldwork in watersheds affected by Camp Fire, and University based office (non-federal facility)	2018 appropriations - Environmental Health Mission area funding	Up to 80 days	4
4	Pacific Coastal and Marine Science Center	US Department of State, US Department of the Interior, UNESCO, Federated States of Micronesia	Scientist travel to provide geoscience technical advisory support at the Nan Madol UNESCO World Heritage Site and US DOI National Historical Landmark.	Partner agencies requested USGS participation in field visit to monument on Pohnpei to evaluate coastal geologic and coastal oceanographic conditions. USGS scientist is sole participant with expertise in reef wave, circulation, and sediment transport processes. Failure to provide field technical advice restoration as requested by the US ambassador to the Federated States of Micronesia and US Department of State impedes their planning and jeopardizes potential for USGS to obtain future funding for studies related to the restoration.	Field work on Pohnpei in the Federated States of Micronesia	State Department	14 days (Jan 15 - 27)	1

Instructions

Column A. Identify the category that the activity falls under:

1. Safety, Security, Life, Health
2. Mission Critical activities requested by Customers
3. Core Mission Critical experiments that cannot be stopped without irreversible harm to our scientific investments
4. Events scheduled with public or stakeholders

Note: A mission critical factor is any factor (experiment, data, component, equipment, personnel, process, procedure, software, procurement etc.) that is essential to an operation or to an organization. Failure or disruption of mission critical factors will result in serious impact on operations or upon an organization, and could cause social turmoil or catastrophes. Studies or planning are not considered critical.

Column B. Identify the Mission Area and/or Center that would fund the work. (Ex. Natural hazards, Earthquake Science Center).

Column C. Identify Customer for example if it was appropriated, the customer is Congress. If it is a Bureau(s) within the Interior state which bureau(s), or another agency: NASA, NOAA etc. Other customers: State(s) that are funding activity

Column D. Description of Activity. How would you use staff to conduct the work. If there is more than one activity explain. If some activities require a funded contractor specify contractor name and award #.

Column E. Impact to mission if not performed. When does this activity become a concern. Include a date if possible. What can happen if the work is not conducted. If there is a timeframe for when this work becomes critical describe. For example, If streamgages are not checked every #X weeks, data could be incorrect causing errors in weather forecasting.

Column F. Identify the location of where this activity needs to be conducted. Example, if remotely state field work or telework. If a building is required, is it a federally secured building, GSA lease, USGS Owned, or can be conducted at a University.

Column G. If a reimbursable agreement has not been signed do not propose the task. If you have a signed agreement and have cash available identify it as "Reimbursable - \$XXX" showing the amount of cash available to work the activity. If you have a signed agreement and no cash, identify it as "Reimbursable - Unfunded". If you have 2018 appropriated funds, identify it as "2018 Approps"

Column H. Estimate the amount of days or months this task will last.

Column I. Estimate how many people are required for the task.

Conversation Contents

Fwd: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

"Labson, Victor" <vlabson@usgs.gov>

From: "Labson, Victor" <vlabson@usgs.gov>
Sent: Tue Jan 08 2019 16:54:54 GMT-0700 (MST)
To: "Werkheiser, William" <whwerkhe@usgs.gov>
"Harris, Margo" <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, "Tupper, Michael" <mtupper@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>, "Womack, Lisa" <lwomack@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, Alessandra Holland <aholland@usgs.gov>, "Goode, Daniel" <djgoode@usgs.gov>
CC:
Subject: Fwd: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Bill,

We need to except Dan Goode to respond to an urgent need to close out activities in the West Bank-Gaza to comply with a new law. I need Dan and Verne to work with Procurement to deal with this. Verne is out of the country and Dan has much more of a command of the details. I'm not sure how much time this will take for Dan or Procurement, but I hope that it is a fairly limited activity. I also need to continue Verne in his excepted status to work with Dan. All of the information I have is contained in this thread.

Thanks,

Vic

Victor F Labson, PhD
Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

----- Forwarded message -----

From: **Goode, Daniel** <djgoode@usgs.gov>
Date: Tue, Jan 8, 2019 at 3:19 PM
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza
To: Victor Labson <vlabson@usgs.gov>, Verne Schneider <vrschnei@usgs.gov>
Cc: Alessandra Holland <aholland@usgs.gov>, Jack Eggleston <jegglest@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>

Hi Vic,
Do you need anything from me to 'process' my exception? I'm cc'ing Curtis, my supervisor, so he's aware.

I am actually stateside - I think you may have mixed me and Jack Eggleston, and the 2 different workshops. Jack and Verne are I believe at the Israeli-Palestinian workshop for DOS, I'm not sure of the location but Cyprus makes sense.
I will be hosting a separate workshop in Cyprus at the end of this month (before the deadline), departing on 20 Jan, and returning on the 29th. This a regional workshop for the USAID Water Security project, with regional partners from West Bank, Lebanon, Jordan and Egypt. We're not directly funding the PA in this project, but we have in the past paid travel expenses (via our grant to the Arab Water Council) for Palestinian Water Authority (part of PA) staff to join us at the workshops. Our grantee in the West Bank is An-Najah National University.
Gabriel Senay (EROS) and Manohar Velpuri (EROS-Contractor) are also planning to join us for the workshop, if we're not shutdown by then.

I will start by trying to figure out how this applies to our non-PA grantee in the West Bank, and go from there. I'm assuming that we're OK to pay the PWA travel expenses before the deadline, but not after.

Thanks,
Dan

** Verne, why don't you let me know when is good time to talk on the phone.

Daniel J. Goode 717-571-8783 [Profile](#)
[USGS Pennsylvania Water Science Center](#)
(stationed @ [New Jersey WSC](#) 609-406-3812)

On Tue, Jan 8, 2019 at 2:48 PM Victor Labson <vlabson@usgs.gov> wrote:
Dan and Verne,

Looks like this needs to be worked on. I'll take care of making sure both of your time is excepted. Hope the workshop is going well.

Vic

Begin forwarded message:

From: "Womack, Lisa" <lwomack@usgs.gov>
Date: January 8, 2019 at 12:40:45 PM MST
To: "Labson, Victor" <vlabson@usgs.gov>
Cc: "Wozniak, Julie" <jwozniak@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Alessandra Holland <aholland@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Vic,

I would consider the direction from USAID to be of a level we can expect the necessary employee(s) to draft the closeout plan due within one week outlining cessation of all activities in West Bank and Gaza by January 31, 2019.

You can work through me and I will, in turn, call in the necessary contracting staff to execute the Stop Work Orders.

I am poised to assist, please keep me apprised of status.

Lisa

~~~~~  
Lisa E. Womack  
U.S. Geological Survey  
Deputy Chief, Office of Acquisition and Grants  
205 National Center  
Reston, Virginia 20192  
(703) 648-7347 (voice)  
(703) 648-7899 (fax)

*The following is for **internal USGS only**. This is your invitation to complete a survey that will help the Office of Acquisition and Grants (OAG) track and improve customer service. [Take the Survey](#)*

On Tue, Jan 8, 2019 at 2:15 PM Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

Lisa,

Thanks for your response. You have understood this as I have read it. I don't have the details but Dan Goode does. I will see to it that Dan is excepted to assist. Could you please provide some guidance on whom Dan should work with? Does this legal requirement necessitate an exception to the shutdown?

Dan is currently conducting an Israel-Palestine water workshop in Cyprus as an excepted activity, so I think he can work on this but whether he can from Cyprus is another thing.

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

On Tue, Jan 8, 2019 at 1:51 PM Womack, Lisa <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)> wrote:

Hi Vic,

Julie forwarded you email to me. Do I understand that USAID is requesting we issue Stop-Work orders to all contractors for which we have in place to support USGS activities in the West Bank and Gaza by January 31, 2019? These Stop Work Orders will not be due to the lapse in appropriations, but rather, they would be due to legislation our government recently passed regarding Anti-Terrorism Clarification Act (ATCA) prohibiting us to collaborate in this country?

If so, I will need your help in identifying those contracts and work together to develop the cessation plan.

Let me know how you would like to proceed.

Lisa

~~~~~  
Lisa E. Womack
U.S. Geological Survey
Deputy Chief, Office of Acquisition and Grants
205 National Center
Reston, Virginia 20192
(703) 648-7347 (voice)
(703) 648-7899 (fax)

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On Tue, Jan 8, 2019 at 1:38 PM Wozniak, Julie <jwozniak@usgs.gov> wrote:

Hi Vic,

I have included Lisa to see if she can assist.

Julie

Julie V. Wozniak
Deputy Associate Director for Human Capital
US Geological Survey
Office of Human Capital
703-648-7442 (office)
703-648-7451 (fax)

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On Tue, Jan 8, 2019 at 1:36 PM Labson, Victor <vlabson@usgs.gov> wrote:
Julie and Cindy,

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Vic

Victor F Labson, PhD
Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

----- Forwarded message -----

From: **Goode, Daniel** <djgoode@usgs.gov>
Date: Mon, Dec 31, 2018 at 12:35 PM
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza
To: Jim Wright <jwright@usaid.gov>
Cc: WBG_Desk <wbgdesk@usaid.gov>, Kamal Ouda <kouda@usaid.gov>, John Wilson <jwilson@usaid.gov>, Curtis Schreffler <cschreff@usgs.gov>, Verne Schneider <vrschnei@usgs.gov>, Victor Labson <vlabson@usgs.gov>

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If this is such an emergency that you consider it vital for USGS to respond to this need immediately, please contact USGS headquarters at (703) 648-7411, or (703) 648-7412.
Thank you,
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Daniel J. Goode 717-571-8783 [Profile](#)
[USGS Pennsylvania Water Science Center](#)
(stationed @ [New Jersey WSC](#) 609-406-3812)

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Dear Mr. Goode:

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Please confirm receipt of this email.

Thank you,

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Jim Wright
Director, Office of Technical Support
Middle East Bureau
US Agency for International Development
Telephone: (202) 712-5079
Mobile: (571) 342-7077
Email: jwright@usaid.gov

| | | | |

Verne Schneider <vrschnei@usgs.gov>

From: Verne Schneider <vrschnei@usgs.gov>
Sent: Thu Jan 10 2019 02:46:50 GMT-0700 (MST)
To: "Labson, Victor" <vlabson@usgs.gov>
CC: "Werkheiser, William" <whwerkhe@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, "Tupper, Michael" <mtupper@usgs.gov>, "Womack, Lisa" <lwomack@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, Alessandra Holland <aholland@usgs.gov>, "Goode, Daniel" <djgoode@usgs.gov>
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

I Arrive Dulles about 315 so I could do a call around 5 PM tonight is helpful.

Sent from my iPhone

On Jan 9, 2019, at 12:54 AM, Labson, Victor <vlabson@usgs.gov> wrote:

Bill,

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Tel: 703-648-6206
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Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza
To: Victor Labson <vlabson@usgs.gov>, Verne Schneider <vrschnei@usgs.gov>
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** Verne, why don't you let me know when is good time to talk on the phone.

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From: "Womack, Lisa" <lwomack@usgs.gov>
Date: January 8, 2019 at 12:40:45 PM MST
To: "Labson, Victor" <vlabson@usgs.gov>
Cc: "Wozniak, Julie" <jwozniak@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Alessandra Holland <aholland@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>
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You can work through me and I will, in turn, call in the necessary contracting staff to execute the Stop Work Orders.

I am poised to assist, please keep me apprised of status.

Lisa

~~~~~  
Lisa E. Womack  
U.S. Geological Survey  
Deputy Chief, Office of Acquisition and Grants  
205 National Center  
Reston, Virginia 20192  
(703) 648-7347 (voice)  
(703) 648-7899 (fax)

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Dan is currently conducting an Israel-Palestine water workshop in Cyprus as an excepted activity, so I think he can work on this but whether he can from Cyprus is another thing.

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On Tue, Jan 8, 2019 at 1:51 PM Womack, Lisa <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)> wrote:

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If so, I will need your help in identifying those contracts and work together to develop the cessation plan.

Let me know how you would like to proceed.

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Julie

Julie V. Wozniak
Deputy Associate Director for Human Capital
US Geological Survey
Office of Human Capital

703-648-7442 (office)
703-648-7451 (fax)

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Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

<hippe here> is this fully funded and we are being directed to do it? if anything the instructions from USAID look like a stop work order..

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US Geological Survey
Office of Human Capital
703-648-7442 (office)
703-648-7451 (fax)

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Jim Wright
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--
Mike Tupper
U.S. Geological Survey
Director, Northeast Region

703 648 6660 Desk
703 402 0256 Cell

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CC:
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

This is fully funded by USAID for the regional project, only part of which is being implemented in the West Bank. I took their instructions to us that we need to send stop work orders to our grantees (passing through USAID funds) who are implementing in the West Bank, and the we will stop our activities in the West Bank as well. I did NOT read this that our entire project should stop working, so we will continue with the work in Lebanon and Jordan, and with our Egyptian grantee.

Here's some text from an email I sent to Lisa Womack, below.
Dan

Hi Lisa,
Vic indicated that you might be able to help with the funding issues raised about our Aquifer Recharge project in the Middle East (MENA-ASR). I'm no expert, but as I understand the email from USAID, there may be two of our grants affected. One is to An-Najah National University, Nablus, West Bank, and the 2nd is to the Arab Water Council in Cairo, Egypt.

An-Najah National University
Nablus, West Bank
G17AC00077

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Arab Water Council
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Daniel J. Goode 717-571-8783 [Profile](#)
[USGS Pennsylvania Water Science Center](#)
(stationed @ [New Jersey WSC](#) 609-406-3812)

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Victor F Labson, PhD

Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

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From: **Goode, Daniel** <digoode@usgs.gov>
Date: Tue, Jan 8, 2019 at 3:19 PM
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza
To: Victor Labson <vlabson@usgs.gov>, Verne Schneider <vrschnei@usgs.gov>
Cc: Alessandra Holland <aholland@usgs.gov>, Jack Eggleston <jegglest@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>

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Cc: "Wozniak, Julie" <jwozniak@usgs.gov>, Cynthia Lodge <clodge@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Alessandra Holland <aholland@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>
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I am poised to assist, please keep me apprised of status.

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Lisa E. Womack  
U.S. Geological Survey  
Deputy Chief, Office of Acquisition and Grants  
205 National Center  
Reston, Virginia 20192  
(703) 648-7347 (voice)  
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Julie

Julie V. Wozniak
Deputy Associate Director for Human Capital
US Geological Survey
Office of Human Capital
703-648-7442 (office)
703-648-7451 (fax)

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Cc: WBG_Desk <wbgedesk@usaid.gov>, Kamal Ouda <kouda@usaid.gov>, John Wilson <jwilson@usaid.gov>, Curtis

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If this is such an emergency that you consider it vital for USGS to respond to this need immediately, please contact USGS headquarters at (703) 648-7411, or (703) 648-7412.

Thank you,
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Please feel free to reach out with questions and concerns to Agreement Officer's Representative Kamal Ouda (kouda@usaid.gov) or West Bank/Gaza Desk Officer Madeline Lichtfuss (mlichtfuss@usaid.gov).

Please confirm receipt of this email.

Thank you,

--
Jim Wright
Director, Office of Technical Support
Middle East Bureau
US Agency for International Development
Telephone: (202) 712-5079
Mobile: (571) 342-7077
Email: jwright@usaid.gov

--
Mike Tupper
U.S. Geological Survey
Director, Northeast Region

703 648 6660 Desk
703 402 0256 Cell

"Womack, Lisa" <lwomack@usgs.gov>

From: "Womack, Lisa" <lwomack@usgs.gov>
Sent: Thu Jan 10 2019 08:41:37 GMT-0700 (MST)
To: "Goode, Daniel" <djgoode@usgs.gov>
CC: "Tupper, Michael" <mtupper@usgs.gov>, "Labson, Victor" <vlabson@usgs.gov>, "Werkheiser, William" <whwerkhe@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, Alessandra Holland <aholland@usgs.gov>
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Hi Dan,

The actions you reference are cooperative agreements which means they are collaborative projects between the recipient and the government. We don't really issue Stop Work Orders for financial assistance since they are fully funded and performance is typically at the recipients location. This is an unusual circumstance, due to the the Anti-Terrorism Clarification Act and the direction of USAID to terminate.

These agreements will have to be terminated and once terminated, we cannot restart the projects. We will terminate using the ATCA as the authority, advising the recipient that the projects are terminated as of January 31, 2019 and that they may only bill for costs incurred up to that

point. Do you concur with this approach?

Let me know and I will execute. also, please let me know if there any other actions effected by Anti-Terrorism Clarification Act that USAID is directing us to terminate.

Thank you,

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This is fully funded by USAID for the regional project, only part of which is being implemented in the West Bank. I took their instructions to us that we need to send stop work orders to our grantees (passing through USAID funds) who are implementing in the West Bank, and the we will stop our activities in the West Bank as well. I did NOT read this that our entire project should stop working, so we will continue with the work in Lebanon and Jordan, and with our Egyptian grantee.

Here's some text from an email I sent to Lisa Womack, below.  
Dan

Hi Lisa,  
Vic indicated that you might be able to help with the funding issues raised about our Aquifer Recharge project in the Middle East (MENA-ASR). I'm no expert, but as I understand the email from USAID, there may be two of our grants affected. One is to An-Najah National University, Nablus, West Bank, and the 2nd is to the Arab Water Council in Cairo, Egypt.

An-Najah National University  
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G17AC00077

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Director, Office of Technical Support
Middle East Bureau
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Mobile: (571) 342-7077
Email: jwright@usaid.gov

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Mike Tupper
U.S. Geological Survey
Director, Northeast Region

703 648 6660 Desk
703 402 0256 Cell

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From: "Goode, Daniel" <djgoode@usgs.gov>
Sent: Thu Jan 10 2019 10:08:46 GMT-0700 (MST)
To: "Werkheiser, William" <whwerkhe@usgs.gov>
"Tupper, Michael" <mtupper@usgs.gov>, "Labson, Victor" <vlabson@usgs.gov>, "Harris, Margo" <mrharris@usgs.gov>, Curtis Schreffler <clschref@usgs.gov>, Verne R Schneider <vrschnei@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, Alessandra Holland <aholland@usgs.gov>, Daniel Hippe <djhippe@usgs.gov>, "Womack, Lisa" <lwomack@usgs.gov>
CC:
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Bill, and All,
Lisa and I talked about the cooperative agreements and the plan (correct me if I'm wrong Lisa!) is that USGS will terminate the An-Najah National University agreement effective the end of the month. The agreement with Arab Water Council will be partially terminated, to halt any implementation in the West Bank (or Gaza), effective the end of the month.

We have a workshop scheduled for this project, and as part of the required closeout of West Bank activities it is important that USGS participate in the workshop as previously planned. The agenda will now include implementation of the close out plan for the implementation in the West Bank.

The workshop is in Cyprus during 24-27 January 2019.
USGS is the conference host, and other attendees include our funded (cooperative agreement) partners:
An-Najah National University, Nablus, West Bank
Arab Water Council, Cairo, Egypt
American University of Beirut, Lebanon
National Center for Research and Development, Amman, Jordan
Hydrology.nl, Utrecht, The Netherlands (consultant)

and other MENA region government representatives (travel expenses funded by project):
Palestinian Water Authority, Ramallah
Litani River Authority, Beirut, Lebanon
Ministry of Water and Irrigation, Amman, Jordan

Our local host is The Cyprus Institute, Nicosia, and a professor and students will be hosting us for a field trip and joining some of our technical sessions during the workshop. All told, we will have about 30 participants.

USGS participants are:
Dan Goode, PaWSC, Project Chief
Gabriel Senay, EROS
Manohar Velpuri, EROS-Contractor
Galen Gorski, USGS/NSF-GRIP intern

Can the USGS participants be excepted for the duration of their trips to participate in this workshop as planned? USAID supports that we proceed with the workshop as planned.

Thank you,
Dan

Daniel J. Goode 717-571-8783 [Profile](#)
[USGS Pennsylvania Water Science Center](#)
(stationed @ [New Jersey WSC](#) 609-406-3812)

On Thu, Jan 10, 2019 at 10:41 AM Womack, Lisa <lwomack@usgs.gov> wrote:

Hi Dan,

The actions you reference are cooperative agreements which means they are collaborative projects between the recipient and the government. We don't really issue Stop Work Orders for financial assistance since they are fully funded and performance is typically at the recipients location. This is an unusual circumstance, due to the the Anti-Terrorism Clarification Act and the direction of USAID to terminate.

These agreements will have to be terminated and once terminated, we cannot restart the projects. We will terminate using the ATCA as the authority, advising the recipient that the projects are terminated as of January 31, 2019 and that they may only bill for costs incurred up to that point. Do you concur with this approach?

Let me know and I will execute. also, please let me know if there any other actions effected by Anti-Terrorism Clarification Act that USAID is directing us to terminate.

Thank you,

Lisa

~~~~~  
Lisa E. Womack  
U.S. Geological Survey  
Deputy Chief, Office of Acquisition and Grants  
205 National Center  
Reston, Virginia 20192  
(703) 648-7347 (voice)  
(703) 648-7899 (fax)

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This is fully funded by USAID for the regional project, only part of which is being implemented in the West Bank. I took their instructions to us that we need to send stop work orders to our grantees (passing through USAID funds) who are implementing in the West Bank, and the we will stop our activities in the West Bank as well. I did NOT read this that our entire project should stop working, so we will continue with the work in Lebanon and Jordan, and with our Egyptian grantee.

Here's some text from an email I sent to Lisa Womack, below.  
Dan

Hi Lisa,

Vic indicated that you might be able to help with the funding issues raised about our Aquifer Recharge project in the Middle East (MENA-ASR). I'm no expert, but as I understand the email from USAID, there may be two of our grants affected. One is to An-Najah National University, Nablus, West Bank, and the 2nd is to the Arab Water Council in Cairo, Egypt.

An-Najah National University  
Nablus, West Bank  
G17AC00077

The grant is being executed by a chemistry professor at ANU, and the funding supports his work, and that of two graduate students that he supervises. In addition to helping with the overall regional issues, they are responsible for the West Bank study area for the project, and for coordinating with the Palestinian Water Authority, and other institutions in the West Bank. Online I have found ANU referred to as a "independent non-governmental" and "not-for-profit public" university.

Arab Water Council  
Cairo, Egypt  
G17AC00064

The grantee is 1) providing consulting for technical issues for the project, and 2) responsible for logistics, including paying travel expenses, for regional workshops and other events for the project. In addition to paying travel expenses for the other grantees, including ANU, they have paid travel expenses for participants in our workshops by staff of the Palestinian Water Authority, a governmental body within the Palestinian Authority.

Our other grants for the regional project go to a university in Lebanon, an independent research institute in Jordan, and a technical consultant in the Netherlands. I do not believe that any funding flows from these other grants to the West Bank or the Palestinian Authority.

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Daniel J. Goode 717-571-8783 [Profile](#)  
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Thanks,

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

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Date: Tue, Jan 8, 2019 at 3:19 PM  
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza  
To: Victor Labson <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>, Verne Schneider <[vrschnei@usgs.gov](mailto:vrschnei@usgs.gov)>  
Cc: Alessandra Holland <[aholland@usgs.gov](mailto:aholland@usgs.gov)>, Jack Eggleston <[jegglesi@usgs.gov](mailto:jegglesi@usgs.gov)>, Curtis Schreffler <[clschref@usgs.gov](mailto:clschref@usgs.gov)>

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Do you need anything from me to 'process' my exception? I'm cc'ing Curtis, my supervisor, so he's aware.

I am actually stateside - I think you may have mixed me and Jack Eggleston, and the 2 different workshops. Jack and Verne are I believe at the Israeli-Palestinian workshop for DOS, I'm not sure of the location but Cyprus makes sense.

I will be hosting a separate workshop in Cyprus at the end of this month (before the deadline), departing on 20 Jan, and returning on the 29th. This a regional workshop for the USAID Water Security project, with regional partners from West Bank, Lebanon, Jordan and Egypt. We're not directly funding the PA in this project, but we have in the past paid travel expenses (via our grant to the Arab Water Council) for Palestinian Water Authority (part of PA) staff to join us at the workshops. Our grantee in the West Bank is An-Najah National University.

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I will start by trying to figure out how this applies to our non-PA grantee in the West Bank, and go from there. I'm assuming that we're OK to pay the PWA travel expenses before the deadline, but not after.

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\*\* Verne, why don't you let me know when is good time to talk on the phone.

-----  
Daniel J. Goode 717-571-8783 [Profile](#)  
[USGS Pennsylvania Water Science Center](#)  
(stationed @ [New Jersey WSC](#) 609-406-3812)  
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On Tue, Jan 8, 2019 at 2:48 PM Victor Labson <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

Dan and Verne,

Looks like this needs to be worked on. I'll take care of making sure both of your time is excepted. Hope the workshop is going well.

Vic

Begin forwarded message:

**From:** "Womack, Lisa" <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)>  
**Date:** January 8, 2019 at 12:40:45 PM MST  
**To:** "Labson, Victor" <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>  
**Cc:** "Wozniak, Julie" <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)>, Cynthia Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>, "Harris, Margo" <[mrharris@usgs.gov](mailto:mrharris@usgs.gov)>, Alessandra Holland <[aholland@usgs.gov](mailto:aholland@usgs.gov)>, Verne R Schneider <[vrschnei@usgs.gov](mailto:vrschnei@usgs.gov)>  
**Subject:** Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Vic,

I would considered the direction from USAID to be of a level we can except the necessary employee(s) to draft the closeout plan due within one week outlining cessation of all activities in West Bank and Gaza by January 31, 2019.

You can work through me and I will, in turn, call in the necessary contracting staff to execute the Stop Work Orders.

I am poised to assist, please keep me apprised of status.

Lisa

~~~~~  
Lisa E. Womack
U.S. Geological Survey
Deputy Chief, Office of Acquisition and Grants
205 National Center
Reston, Virginia 20192
(703) 648-7347 (voice)
(703) 648-7899 (fax)

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On Tue, Jan 8, 2019 at 2:15 PM Labson, Victor <vlabson@usgs.gov> wrote:

Lisa,

Thanks for your response. You have understood this as I have read it. I don't have the details but Dan Goode does. I will see to it that Dan is excepted to assist. Could you please provide some guidance on whom Dan should work with? Does this legal requirement necessitate an exception to the shutdown?

Dan is currently conducting an Israel-Palestine water workshop in Cyprus as an excepted activity, so I think he can work on this but whether he can from Cyprus is another thing.

Vic

Victor F Labson, PhD
Director - Office of International Programs
U.S. Geological Survey
National Center, MS 917
12201 Sunrise Valley Drive
Reston, VA 20192-0002
Tel: 703-648-6206
vlabson@usgs.gov

On Tue, Jan 8, 2019 at 1:51 PM Womack, Lisa <lwomack@usgs.gov> wrote:

Hi Vic,

Julie forwarded you email to me. Do I understand that USAID is requesting we issue Stop-Work orders to all contractors for which we have in place to support USGS activities in the West Bank and Gaza by January 31, 2019? These Stop Work Orders will not be due to the lapse in appropriations, but rather, they would be due to legislation our government recently passed regarding Anti-Terrorism Clarification Act (ATCA) prohibiting us to collaborate in this country?

If so, I will need your help in identifying those contracts and work together to develop the cessation plan.

Let me know how you would like to proceed.

Lisa

~~~~~  
Lisa E. Womack  
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On Tue, Jan 8, 2019 at 1:38 PM Wozniak, Julie <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)> wrote:

Hi Vic,

I have included Lisa to see if she can assist.

Julie

Julie V. Wozniak  
Deputy Associate Director for Human Capital  
US Geological Survey  
Office of Human Capital  
703-648-7442 (office)  
703-648-7451 (fax)

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On Tue, Jan 8, 2019 at 1:36 PM Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

Julie and Cindy,

We receive the following notice from USAID to closeout our activities in Palestine. Dan Goode instructed them to contact the Director's Office and they contacted Margo. we can only fulfil their request by calling back Dan Goode and staff in Procurement. Any advice on a next step? It seems we are caught between two legal requirements.

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
vlabson@usgs.gov

----- Forwarded message -----

From: **Goode, Daniel** <digoode@usgs.gov>  
Date: Mon, Dec 31, 2018 at 12:35 PM  
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza  
To: Jim Wright <jwright@usaid.gov>  
Cc: WBG\_Desk <wbgdesk@usaid.gov>, Kamal Ouda <kouda@usaid.gov>, John Wilson <jwilson@usaid.gov>, Curtis Schreffler <clschref@usgs.gov>, Verne Schneider <vrschnei@usgs.gov>, Victor Labson <vlabson@usgs.gov>

Dear Mr. Wright,

As you may know, USGS/DOI is shut down due to a lapse in appropriations. Although I have received your email, I am prohibited from conducting work as a Federal employee, and will not be able to work on the modifications and stop work orders, if any, that may be needed to address the West Bank funding issue, until we are back at work. Furthermore, there are no staff working at contracts in Reston, who are managing our grants, which may be impacted. I will work on this first thing when we are up and running.

If this is such an emergency that you consider it vital for USGS to respond to this need immediately, please contact USGS headquarters at (703) 648-7411, or (703) 648-7412.

Thank you,  
Dan

-----  
Daniel J. Goode 717-571-8783 [Profile](#)  
[USGS Pennsylvania Water Science Center](#)  
(stationed @ [New Jersey WSC](#) 609-406-3812)  
-----

On Thu, Dec 27, 2018 at 2:21 PM Jim Wright <jwright@usaid.gov> wrote:

Dear Mr. Goode:

As you may be aware, Congress passed legislation recently that makes it almost certain that the Palestinian Authority will cease accepting U.S. assistance, specifically ESF/ESF-OCO, that touches on the West Bank and Gaza, by January 31, 2019. USAID and the Department of State continue to examine the potential impact of the Anti-Terrorism Clarification Act (ATCA). In the meantime, we have been directed to take steps in preparation for a cessation of assistance programs in the West Bank and Gaza.

Based on this direction, all ESF funded awards are to cease programmatic implementation in West Bank and Gaza by January 31, 2019. USAID began informing our partners on December 22, 2018. We ask that beginning December 27, 2018, you instruct your ESF-funded implementing partners to draft and submit within one week a closeout plan for complete cessation of all activities in West Bank and Gaza by January 31, 2019. We know that the timeline is very short, but appropriate modifications and stop work orders will be needed to end affected activities by the deadline, so immediate action is required.

Please feel free to reach out with questions and concerns to Agreement Officer's Representative Kamal Ouda ([kouda@usaid.gov](mailto:kouda@usaid.gov)) or West Bank/Gaza Desk Officer Madeline Lichtfuss ([mlichtfuss@usaid.gov](mailto:mlichtfuss@usaid.gov)).

Please confirm receipt of this email.

Thank you,

---  
Jim Wright  
Director, Office of Technical Support  
Middle East Bureau  
US Agency for International Development  
Telephone: (202) 712-5079  
Mobile: (571) 342-7077  
Email: [jwright@usaid.gov](mailto:jwright@usaid.gov)

--  
Mike Tupper  
U.S. Geological Survey  
Director, Northeast Region

703 648 6660 Desk  
703 402 0256 Cell

**"Womack, Lisa" <lwomack@usgs.gov>**

---

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**Sent:** Thu Jan 10 2019 10:23:46 GMT-0700 (MST)  
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**CC:**  
**Subject:** Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Dan,

That is our plan. I just sent an email to the USIAD Contracting Officer that reached out to us to confirm our course of action. Once she concurs, we will issue the notices.

Lisa

~~~~~  
Lisa E. Womack
U.S. Geological Survey
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Cc: Alessandra Holland <[aholland@usgs.gov](mailto:aholland@usgs.gov)>, Jack Eggleston <[jegglest@usgs.gov](mailto:jegglest@usgs.gov)>, Curtis Schreffler <[clschref@usgs.gov](mailto:clschref@usgs.gov)>

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Vic

Begin forwarded message:

**From:** "Womack, Lisa" <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)>  
**Date:** January 8, 2019 at 12:40:45 PM MST  
**To:** "Labson, Victor" <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>  
**Cc:** "Wozniak, Julie" <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)>, Cynthia Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>, "Harris, Margo" <[mrharris@usgs.gov](mailto:mrharris@usgs.gov)>, Alessandra Holland <[aholland@usgs.gov](mailto:aholland@usgs.gov)>, Verne R Schneider <[vrschnei@usgs.gov](mailto:vrschnei@usgs.gov)>  
**Subject:** Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Vic,

I would considered the direction from USAID to be of a level we can except the necessary employee(s) to draft the closeout plan due within one week outlining cessation of all activities in West Bank and Gaza by January 31, 2019.

You can work through me and I will, in turn, call in the necessary contracting staff to execute the Stop Work Orders.

I am poised to assist, please keep me apprised of status.

Lisa

Redacted text  
Lisa E. Womack  
U.S. Geological Survey  
Deputy Chief, Office of Acquisition and Grants  
205 National Center  
Reston, Virginia 20192  
(703) 648-7347 (voice)  
(703) 648-7899 (fax)

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On Tue, Jan 8, 2019 at 2:15 PM Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:  
Lisa,

Thanks for your response. You have understood this as I have read it. I don't have the details but Dan Goode does. I will see to it that Dan is excepted to assist. Could you please provide some guidance on whom Dan should work with? Does this legal requirement necessitate an exception to the shutdown?

Dan is currently conducting an Israel-Palestine water workshop in Cyprus as an excepted activity, so I think he can work on this but whether he can from Cyprus is another thing.

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

On Tue, Jan 8, 2019 at 1:51 PM Womack, Lisa <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)> wrote:  
Hi Vic,

Julie forwarded you email to me. Do I understand that USAID is requesting we issue Stop-Work orders to all contractors for which we have in place to support USGS activities in the West Bank and Gaza by January 31, 2019? These Stop Work Orders will not be due to the lapse in

appropriations, but rather, they would be due to legislation our government recently passed regarding Anti-Terrorism Clarification Act (ATCA) prohibiting us to collaborate in this country?

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On Tue, Jan 8, 2019 at 1:38 PM Wozniak, Julie <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)> wrote:

Hi Vic,  
I have included Lisa to see if she can assist.  
Julie

Julie V. Wozniak  
Deputy Associate Director for Human Capital  
US Geological Survey  
Office of Human Capital  
703-648-7442 (office)  
703-648-7451 (fax)

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On Tue, Jan 8, 2019 at 1:36 PM Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

Julie and Cindy,

We receive the following notice from USAID to closeout our activities in Palestine. Dan Goode instructed them to contact the Director's Office and they contacted Margo. we can only fulfil their request by calling back Dan Goode and staff in Procurement. Any advice on a next step? It seems we are caught between two legal requirements.

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From: **Goode, Daniel** <[digoode@usgs.gov](mailto:digoode@usgs.gov)>  
Date: Mon, Dec 31, 2018 at 12:35 PM  
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza  
To: Jim Wright <[jwright@usaid.gov](mailto:jwright@usaid.gov)>  
Cc: WBG\_Desk <[wbgdesk@usaid.gov](mailto:wbgdesk@usaid.gov)>, Kamal Ouda <[kouda@usaid.gov](mailto:kouda@usaid.gov)>, John Wilson <[jwilson@usaid.gov](mailto:jwilson@usaid.gov)>, Curtis Schreffler <[clschref@usgs.gov](mailto:clschref@usgs.gov)>, Verne Schneider <[vrschnei@usgs.gov](mailto:vrschnei@usgs.gov)>, Victor Labson <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>

Dear Mr. Wright,

As you may know, USGS/DOI is shut down due to a lapse in appropriations. Although I have received your email, I am prohibited from conducting work as a Federal employee, and will not be able to work on the modifications and stop work orders, if any, that may be needed to address the West Bank funding issue, until we are back at work. Furthermore, there are no staff working at contracts in Reston, who are managing our grants, which may be impacted. I will work on this first thing when we are up and running.

If this is such an emergency that you consider it vital for USGS to respond to this need immediately, please contact USGS headquarters at (703) 648-7411, or (703) 648-7412.

Thank you,  
Dan

-----  
Daniel J. Goode 717-571-8783 [Profile](#)  
[USGS Pennsylvania Water Science Center](#)  
(stationed @ [New Jersey WSC](#) 609-406-3812)  
-----

On Thu, Dec 27, 2018 at 2:21 PM Jim Wright <[jwright@usaid.gov](mailto:jwright@usaid.gov)> wrote:  
Dear Mr. Goode:

As you may be aware, Congress passed legislation recently that makes it almost certain that the Palestinian Authority will cease accepting U.S. assistance, specifically ESF/ESF-OCO, that touches on the West Bank and Gaza, by January 31, 2019. USAID and the Department of State continue to examine the potential impact of the Anti-Terrorism Clarification Act (ATCA). In the meantime, we have been directed to take steps in preparation for a cessation of assistance programs in the West Bank and Gaza.

Based on this direction, all ESF funded awards are to cease programmatic implementation in West Bank and Gaza by January 31, 2019. USAID began informing our partners on December 22, 2018. We ask that beginning December 27, 2018, you instruct your ESF-funded implementing partners to draft and submit within one week a closeout plan for complete cessation of all activities in West Bank and Gaza by January 31, 2019. We know that the timeline is very short, but appropriate modifications and stop work orders will be needed to end affected activities by the deadline, so immediate action is required.

Please feel free to reach out with questions and concerns to Agreement Officer's Representative Kamal Ouda ([kouda@usaid.gov](mailto:kouda@usaid.gov)) or West Bank/Gaza Desk Officer Madeline Lichtfuss ([mlichtfuss@usaid.gov](mailto:mlichtfuss@usaid.gov)).

Please confirm receipt of this email.

Thank you,

--  
Jim Wright  
Director, Office of Technical Support  
Middle East Bureau  
US Agency for International Development  
Telephone: (202) 712-5079  
Mobile: (571) 342-7077  
Email: [jwright@usaid.gov](mailto:jwright@usaid.gov)

--  
Mike Tupper  
U.S. Geological Survey  
Director, Northeast Region

703 648 6660 Desk  
703 402 0256 Cell

**Daniel Hippe <[djhippe@usgs.gov](mailto:djhippe@usgs.gov)>**

---

**From:** Daniel Hippe <[djhippe@usgs.gov](mailto:djhippe@usgs.gov)>  
**Sent:** Thu Jan 10 2019 11:13:41 GMT-0700 (MST)  
**To:** "Womack, Lisa" <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)>  
"Goode, Daniel" <[djgoode@usgs.gov](mailto:djgoode@usgs.gov)>, "Werkheiser, William" <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>, "Tupper, Michael" <[mtupper@usgs.gov](mailto:mtupper@usgs.gov)>, "Labson, Victor" <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>, "Harris, Margo" <[mrharris@usgs.gov](mailto:mrharris@usgs.gov)>, Curtis Schreffler <[clschref@usgs.gov](mailto:clschref@usgs.gov)>, Verne R Schneider <[vrschnei@usgs.gov](mailto:vrschnei@usgs.gov)>, Julie Wozniak <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)>, Alessandra Holland <[aholland@usgs.gov](mailto:aholland@usgs.gov)>  
**CC:**  
**Subject:** Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza

Looks like this is in good hands to where I could only screw it up in 15 minutes a day furlough mode. Have a safe trip

Sent from my iPhone

On Jan 10, 2019, at 12:23 PM, Womack, Lisa <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)> wrote:

Dan,

That is our plan. I just sent an email to the USIAD Contracting Officer that reached out to us to confirm our course of action. Once she concurs, we will issue the notices.

Lisa

~~~~~  
Lisa E. Womack
U.S. Geological Survey
Deputy Chief, Office of Acquisition and Grants
205 National Center
Reston, Virginia 20192
(703) 648-7347 (voice)
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On Thu, Jan 10, 2019 at 12:08 PM Goode, Daniel <djgoode@usgs.gov> wrote:

Bill, and Ali,

Lisa and I talked about the cooperative agreements and the plan (correct me if I'm wrong Lisa!) is that USGS will terminate the An-Najah National University agreement effective the end of the month. The agreement with Arab Water Council will be partially terminated, to halt any implementation in the West Bank (or Gaza), effective the end of the month.

We have a workshop scheduled for this project, and as part of the required closeout of West Bank activities it is important that USGS participate in the workshop as previously planned. The agenda will now include implementation of the close out plan for the implementation in the West Bank.

The workshop is in Cyprus during 24-27 January 2019.

USGS is the conference host, and other attendees include our funded (cooperative agreement) partners:

An-Najah National University, Nablus, West Bank

Arab Water Council, Cairo, Egypt

American University of Beirut, Lebanon

National Center for Research and Development, Amman, Jordan

Hydrology.nl, Utrecht, The Netherlands (consultant)

and other MENA region government representatives (travel expenses funded by project):

Palestinian Water Authority, Ramallah

Litani River Authority, Beirut, Lebanon

Ministry of Water and Irrigation, Amman, Jordan

Our local host is The Cyprus Institute, Nicosia, and a professor and students will be hosting us for a field trip and joining some of our technical sessions during the workshop. All told, we will have about 30 participants.

USGS participants are:

Dan Goode, PaWSC, Project Chief

Gabriel Senay, EROS

Manohar Velpuri, EROS-Contractor

Galen Gorski, USGS/NSF-GRIP intern

Can the USGS participants be excepted for the duration of their trips to participate in this workshop as planned? USAID supports that we proceed with the workshop as planned.

Thank you,

Dan

Daniel J. Goode 717-571-8783 [Profile](#)
[USGS Pennsylvania Water Science Center](#)
(stationed @ [New Jersey WSC](#) 609-406-3812)

On Thu, Jan 10, 2019 at 10:41 AM Womack, Lisa <lwomack@usgs.gov> wrote:

Hi Dan,

The actions you reference are cooperative agreements which means they are collaborative projects between the recipient and the government. We don't really issue Stop Work Orders for financial assistance since they are fully funded and performance is typically at the recipients location. This is an unusual circumstance, due to the the Anti-Terrorism Clarification Act and the direction of USAID to terminate.

These agreements will have to be terminated and once terminated, we cannot restart the projects. We will terminate using the ATCA as the authority, advising the recipient that the projects are terminated as of January 31, 2019 and that they may only bill for costs incurred up to that point. Do you concur with this approach?

Let me know and I will execute. also, please let me know if there any other actions effected by Anti-Terrorism Clarification Act that USAID is directing us to terminate.

Thank you,

Lisa

~~~~~  
Lisa E. Womack  
U.S. Geological Survey  
Deputy Chief, Office of Acquisition and Grants  
205 National Center  
Reston, Virginia 20192  
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On Thu, Jan 10, 2019 at 9:36 AM Goode, Daniel <[djgoode@usgs.gov](mailto:djgoode@usgs.gov)> wrote:

This is fully funded by USAID for the regional project, only part of which is being implemented in the West Bank. I took their instructions to us that we need to send stop work orders to our grantees (passing through USAID funds) who are implementing in the West Bank, and the we will stop our activities in the West Bank as well. I did NOT read this that our entire project should stop working, so we will continue with the work in Lebanon and Jordan, and with our Egyptian grantee.

Here's some text from an email I sent to Lisa Womack, below.  
Dan

Hi Lisa,

Vic indicated that you might be able to help with the funding issues raised about our Aquifer Recharge project in the Middle East (MENA-ASR). I'm no expert, but as I understand the email from USAID, there may be two of our grants affected. One is to An-Najah National University, Nablus, West Bank, and the 2nd is to the Arab Water Council in Cairo, Egypt.

An-Najah National University

Nablus, West Bank

G17AC00077

The grant is being executed by a chemistry professor at ANU, and the funding supports his work, and that of two graduate students that he supervises. In

addition to helping with the overall regional issues, they are responsible for the West Bank study area for the project, and for coordinating with the Palestinian Water Authority, and other institutions in the West Bank. Online I have found ANU referred to as a "independent non-governmental" and "not-for-profit public" university.

Arab Water Council  
Cairo, Egypt  
G17AC00064

The grantee is 1) providing consulting for technical issues for the project, and 2) responsible for logistics, including paying travel expenses, for regional workshops and other events for the project. In addition to paying travel expenses for the other grantees, including ANU, they have paid travel expenses for participants in our workshops by staff of the Palestinian Water Authority, a governmental body within the Palestinian Authority.

Our other grants for the regional project go to a university in Lebanon, an independent research institute in Jordan, and a technical consultant in the Netherlands. I do not believe that any funding flows from these other grants to the West Bank or the Palestinian Authority.

-----  
Daniel J. Goode 717-571-8783 [Profile](#)  
[USGS Pennsylvania Water Science Center](#)  
(stationed @ [New Jersey WSC](#) 609-406-3812)  
-----

On Thu, Jan 10, 2019 at 8:47 AM Tupper, Michael <[mtupper@usgs.gov](mailto:mtupper@usgs.gov)> wrote:

<hippe here> is this fully funded and we are being directed to do it? if anything the instructions from USAID look like a stop work order..

On Tue, Jan 8, 2019 at 6:55 PM Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

Bill,

We need to except Dan Goode to respond to an urgent need to close out activities in the West Bank-Gaza to comply with a new law. I need Dan and Verne to work with Procurement to deal with this. Verne is out of the country and Dan has much more of a command of the details. I'm not sure how much time this will take for Dan or Procurement, but I hope that it is a fairly limited activity. I also need to continue Verne in his excepted status to work with Dan. All of the information I have is contained in this thread.

Thanks,

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

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From: **Goode, Daniel** <[djgoode@usgs.gov](mailto:djgoode@usgs.gov)>  
Date: Tue, Jan 8, 2019 at 3:19 PM  
Subject: Re: [EXTERNAL] Aquifers Storage & Recovery Activity in West Bank/Gaza  
To: Victor Labson <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>, Verne Schneider <[vrschnei@usgs.gov](mailto:vrschnei@usgs.gov)>  
Cc: Alessandra Holland <[aholland@usgs.gov](mailto:aholland@usgs.gov)>, Jack Eggleston <[jegglest@usgs.gov](mailto:jegglest@usgs.gov)>, Curtis Schreffler <[clschref@usgs.gov](mailto:clschref@usgs.gov)>

Hi Vic,

Do you need anything from me to 'process' my exception? I'm cc'ing Curtis, my supervisor, so he's aware.

I am actually stateside - I think you may have mixed me and Jack Eggleston, and the 2 different workshops. Jack and Verne are I believe at the Israeli-Palestinian workshop for DOS, I'm not sure of the location but Cyprus makes sense. I will be hosting a separate workshop in Cyprus at the end of this month (before the deadline), departing on 20 Jan, and returning on the 29th. This a regional workshop for the USAID Water Security project, with regional partners from West Bank, Lebanon, Jordan and Egypt. We're not directly funding the PA in this project, but we have in the past paid travel expenses (via our grant to the Arab Water Council) for Palestinian Water Authority (part of PA) staff to join us at the workshops. Our grantee in the West Bank is An-Najah National University. Gabriel Senay (EROS) and Manohar Velpuri (EROS-Contractor) are also planning to join us for the workshop, if we're not shutdown by then.

I will start by trying to figure out how this applies to our non-PA grantee in the West Bank, and go from there. I'm assuming that we're OK to pay the PWA travel expenses before the deadline, but not after.

Thanks,  
Dan

\*\* Verne, why don't you let me know when is good time to talk on the phone.

-----  
Daniel J. Goode 717-571-8783 [Profile](#)  
[USGS Pennsylvania Water Science Center](#)  
(stationed @ [New Jersey WSC](#) 609-406-3812)  
-----

On Tue, Jan 8, 2019 at 2:48 PM Victor Labson <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:  
Dan and Verne,

Looks like this needs to be worked on. I'll take care of making sure both of your time is excepted. Hope the workshop is going well.

Vic

Begin forwarded message:

**From:** "Womack, Lisa" <[lwomack@usgs.gov](mailto:lwomack@usgs.gov)>  
**Date:** January 8, 2019 at 12:40:45 PM MST  
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Julie V. Wozniak  
Deputy Associate Director for Human Capital  
US Geological Survey  
Office of Human Capital  
703-648-7442 (office)  
703-648-7451 (fax)

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Tel: 703-648-6206  
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Cc: WBG\_Desk <[wbgdesk@usaid.gov](mailto:wbgdesk@usaid.gov)>, Kamal Ouda <[kouda@usaid.gov](mailto:kouda@usaid.gov)>, John Wilson <[jwilson@usaid.gov](mailto:jwilson@usaid.gov)>, Curtis Schreffler <[clschref@usgs.gov](mailto:clschref@usgs.gov)>, Verne Schneider <[vschnei@usgs.gov](mailto:vschnei@usgs.gov)>, Victor Labson <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>

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As you may be aware, Congress passed legislation recently that makes it almost certain that the Palestinian Authority will cease accepting U.S. assistance, specifically ESF/ESF-OCO, that touches on the West Bank and Gaza, by January 31, 2019. USAID and the Department of State continue to examine the potential impact of the Anti-Terrorism Clarification Act (ATCA). In the meantime, we have been directed to take steps in preparation for a cessation of assistance programs in the West Bank and Gaza.

Based on this direction, all ESF funded awards are to cease programmatic implementation in West Bank and Gaza by January 31, 2019. USAID began informing our partners on December 22, 2018. We ask that beginning December 27, 2018, you instruct your ESF-funded implementing partners to draft and submit within one week a closeout plan for complete cessation of all activities in West Bank and Gaza by January 31, 2019. We know that the timeline is very short, but appropriate modifications and stop work orders will be needed to end affected activities by the deadline, so immediate action is required.

Please feel free to reach out with questions and concerns to Agreement Officer's Representative Kamal Ouda ([kouda@usaid.gov](mailto:kouda@usaid.gov)) or West Bank/Gaza Desk Officer Madeline Lichtfuss

([mlichtfuss@usaid.gov](mailto:mlichtfuss@usaid.gov)).

Please confirm receipt of this email.

Thank you,

--  
Jim Wright  
Director, Office of Technical Support  
Middle East Bureau  
US Agency for International Development  
Telephone: (202) 712-5079  
Mobile: (571) 342-7077  
Email: [jwright@usaid.gov](mailto:jwright@usaid.gov)

--  
Mike Tupper  
U.S. Geological Survey  
Director, Northeast Region

703 648 6660 Desk  
703 402 0256 Cell



## Conversation Contents

**Cindy - Updated Special Case Activities List - Pacific Region centers**

**Attachments:**

17. Cindy - Updated Special Case Activities List - Pacific Region centers/1.1 Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19b.xlsx

---

### "Sogge, Mark" <mark\_sogge@usgs.gov>

**From:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
**Sent:** Wed Jan 09 2019 15:21:21 GMT-0700 (MST)  
**To:** "Lodge, Cynthia" <clodge@usgs.gov>  
**CC:** William Werkheiser <whwerkhe@usgs.gov>  
**Subject:** Cindy - Updated Special Case Activities List - Pacific Region centers  
**Attachments:** Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19b.xlsx

Hi Cindy. Attached is a revised spreadsheet for Pacific Region. We removed one of the PCMSC requests after deciding that we can wait until future weeks to put it forward if needed.

Thanks!

Mark

*Mark Sogge, Regional Director, USGS Pacific Region  
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819  
office 916-278-9551; mobile 916-207-4108*

On Wed, Jan 9, 2019 at 1:16 PM Sogge, Mark <mark\_sogge@usgs.gov> wrote:

Hi Cindy. Here is a list of 12 requests from the Pacific Region. We tried to balance context and details with brevity to expedite the management team review. If you need more information on any of these, don't hesitate to ask.

Mark

*Mark Sogge, Regional Director, USGS Pacific Region  
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819  
office 916-278-9551; mobile 916-207-4108*

On Tue, Jan 8, 2019 at 7:11 AM Lodge, Cynthia <clodge@usgs.gov> wrote:

At today's 11:30 call the Director will provide status and some discussion on work that we may need to consider conducting as this furlough continues to extend.

Attached is a template similar to the "Shutdown Planning: Special Case Activities template" with a few additional fields. I have included a few examples and instructions. We will discuss this at the meeting this morning with an action to use this template to populate items you would like the Director to consider.

Thanks

*Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239*

---

### "Lodge, Cynthia" <clodge@usgs.gov>

**From:** "Lodge, Cynthia" <clodge@usgs.gov>  
**Sent:** Thu Jan 10 2019 05:22:14 GMT-0700 (MST)  
**To:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
**CC:** William Werkheiser <whwerkhe@usgs.gov>  
**Subject:** Re: Cindy - Updated Special Case Activities List - Pacific Region centers

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Thanks

*Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239*

Shutdown Planning: Special Case Activities Spend Plan

| Priority<br>(1, 2, 3, 4) | Mission Area,<br>Program or<br>Center | Customer                                                                    | Description of Activity                                                                                                                                                                                                                                                                                                                               | Impact to mission if not performed<br>(Why its important now)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Location                                                                    | Fund source                                                                                                                | Duration                                       | # of Staff |
|--------------------------|---------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------|
| 1 & 2                    | Earthquake<br>Science Center          | California<br>Governor's<br>Office of<br>Emergency<br>Services (Cal<br>OES) | Continue work to permit and install seismic stations for EEW in California. This would require activation of an environmental compliance officer and a contractor (for permitting), three field technicians (for station installation), an Admin. Assistant (to make travel arrangements) and two project managers (Pasadena and Menlo Park).         | Earthquake Science Center staff must complete work to permit and install seismic stations funded by Cal OES by the end of March in order to get paid. Failing to complete this California-state funded work would result in lost funding, significantly delay the full implementation of EEW in California, and permanently damage our relationship with Cal OES.                                                                                                                                                                                                                                                                                                                                                                                                   | Field work, telework, and ESC offices in Menlo Park (GSA bldg) and Pasadena | Reimbursable from 2018/19 Calif. State Budget (through Cal OES). All funds currently in hand.                              | 90 days                                        | 8          |
| 1 & 2                    | Earthquake<br>Science Center          | Congress                                                                    | Continue to approve and monitor Pilot Projects for the ShakeAlert EEW system. This would require activating the ESC Center Director, Coordinator for ShakeAlert Communication, Education, and Outreach and the EEW Project Chief. The Director of the Earthquake Science Center is already activated and will also be participating in this activity. | The USGS has prime responsibility for approving and monitoring progress with about 80 Pilot Projects that use USGS-generated ShakeAlerts to take automatic actions and alert end users in the event of potentially damaging earthquakes. Daily, pilot partners are asking USGS for technical advice on the capabilities and limitations of EEW, education and training for earthquake response, and testing and optimization of ShakeAlert delivery mechanisms (cell phone apps, WEA, etc.). Failure to remain engaged with ShakeAlert Pilot partners via email, phone calls and meetings could have serious safety implications for technical end users and the public, including people who downloaded the EEW cell phone app released by the City of LA.         | Telework                                                                    | FY18 NHMA carryover                                                                                                        | 10 days                                        | 3          |
| 2                        | Western Ecological<br>Research Center | U.S. Fish &<br>Wildlife Service                                             | Field monitoring of spadefoot toad - a USFWS high priority pre-listing species                                                                                                                                                                                                                                                                        | The USFWS is required to make listing determination for spadefoot toad by early 2020. Determining the toad's current status requires information on current presence/absence and numbers at historic sites; toads can only be effectively located during the on-going precipitation events. If enough surveys are not conducted, USFWS listing determination could be impacted.                                                                                                                                                                                                                                                                                                                                                                                     | Field work                                                                  | 2018 Appropriated. USFWS obligated and provided FY18 funding to USGS amphibian experts to conduct surveys.                 | 10 days (8 days field work; 2 days field prep) | 6          |
| 2                        | Nevada Water<br>Science Center        | Bureau of Land<br>Management &<br>private industry                          | Storm runoff sampling at experimental dust palliative application area                                                                                                                                                                                                                                                                                | A Year-long experimental application of dust palliative is underway at an energy facility in the Mojave Desert. The USGS is sampling the runoff after each rain storm (which are infrequent in Southern NV) to determine the fate and transport of the compound. There has already been one missed sampling opportunity due to the lapse. This is likely a one-time data collection opportunity, due to existing private industry participation. If samples cannot be collected during infrequent storm events this winter or spring (the end of the planned data collection period), the NWSC will not be able to meet contractual obligations. There is a storm forecast for sometime around January 14th, and the site could easily be dry for months afterward. | Field work                                                                  | Reimbursable from BLM (>\$50,000 total funding) BLM funding is prior year (FY17)<br><br>Completed JFA expires in Sept 2020 | 1 day                                          | 2          |

|   |                                 |                                                                                                                           |                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                       |                                                                                                                                                              |                                                           |    |
|---|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|
| 2 | Nevada Water Science Center     | Tahoe Regional Planning Agency, Lahontan Regional Water Quality Control Board, California Tahoe Conservancy, and Congress | Collection of storm water samples in Lake Tahoe Basin Tributaries; sediment, nutrients, and streamflow.                                               | USGS is responsible for collecting sediment and nutrient input data to understand the impact of storms to Lake Tahoe water clarity. Missing time-sensitive sampling opportunities of winter storms will impact contractual obligations with multiple agencies. Lake Tahoe sampling is high-profile study for the NVWSC and multiple agencies depend on continued USGS storm data for analysis of their parallel data sets. The Lake Tahoe basin is currently in the peak storm season with storm events forecast over the next two weeks (Jan 10 - 24).                                                                                                                                     | Field work                                                                                                                            | 65% Reimbursable from Tahoe partners; 35% Appropriated from WMA cooperative matching funds. >\$300,000 total funding.                                        | 6 days                                                    | 3  |
| 2 | Water, Nevada Science Center    | Nevada Dept of Transportation and Congress                                                                                | Collection of storm water samples in the Clear Creek watershed. Sediment, metals, nutrients and streamflow.                                           | Storm events in the Clear Creek drainage impacts water quality used for public supply and downstream infrastructure and highways. NDOT uses storm sampling information to guide tens of millions of dollars of State funding to reduce impacts from state and federal highways running through the drainage. If USGS fails to collect time-sensitive nutrient and sediment data, our cooperative relations and contractual obligations with NDOT will be jeopardized. The Clear Creek drainage is currently in the peak storm season with storm events forecast over the next two weeks (Jan 10 - 24).                                                                                      | Field work                                                                                                                            | 65% Reimbursable from NDOT; 35% Appropriated from WMA cooperative matching funds. ~ \$100,000 total funding.<br><br>Approved 4-year JFA expires in Sept 2021 | Less than 7 days, depending on road conditions and access | 2  |
| 2 | California Water Science Center | Bureau of Reclamation                                                                                                     | Hydrologic monitoring and assessments required for the Federal Central Valley Project operations and adaptive management of the California Bay-Delta. | The CAWSC provides crucial hydrologic data and information to the Bureau of Reclamation, which relies on this data and information in the wet winter season for <u>daily</u> Central Valley Project operations and adaptive management decisions in the Bay-Delta (e.g. implementing WIN Act provisions that allow increased exports to farmers when Delta inflows increase). Disruption of this work may result in serious impact on water project operations and prevent on-time delivery of critically needed information products.                                                                                                                                                      | University-based office and field office (in non-federal facilities), and field work in the Delta                                     | 100% appropriated - 2019 funding Bureau of Reclamation (have already received \$6M for FY19 use)                                                             | 80 days season (January-March)                            | 20 |
| 2 | California Water Science Center | California Department of Water Resources                                                                                  | Hydrologic monitoring and assessments required for the California State Water Project operations and adaptive management of the California Bay-Delta. | The CAWSC provides crucial hydrologic data and information about the San Francisco Bay-Delta to the California Department of Water Resources (CDWR) and numerous stakeholders during the wet winter season. This includes data and information about sediment and pollutant runoff after recent wildfires. This work is funded mostly by CDWR and required for State water project operations and management decisions in the California Bay-Delta regarding the water supply for millions of Californians. Disruption of this work may have serious impacts on water project operations and prevent on-time delivery of critically needed information products so that work can be billed. | University-based office and field office (in non-federal facilities), and field work in the Delta and adjacent Cache Creek watershed. | 92% California Department of Water Resources funding, 8% USGS matching funds (approps.)                                                                      | 80 days season (January-March)                            | 12 |

|   |                                           |                                                                                               |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |                                                                                                                               |                                                                     |    |
|---|-------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----|
| 2 | California Water Science Center           | California State Water Resources Control Board                                                | Monitoring and assessments of groundwater quality in priority groundwater basins required to protect drinking, agricultural, and industrial water quality for millions of Californians. | The CAWSC provides critically important data and information about groundwater quality in priority groundwater basins required by the California State Water Quality Control Board (SWRCB) to protect California's critical groundwater supply. The work is almost entirely (97%) funded by the SWRCB. The USGS must meet quarterly deliverable targets so that work can be billed. Two agreements with the SWRCB expire March 31, 2019, after which the obligated funds from the State expire. On-time completion of the deliverables is necessary to receive full payment of the obligated State funds. | University-based offices in Sacramento and San Diego (non-federal facilities) and telework        | 97% California State Water Resources Control Board Funding (some expires March 31, 2019), 3% USGS (matching funds (approps.)) | 80 days (to end of 2 funding agreements expiring on March 31, 2019) | 30 |
| 2 | California Water Science Center           | Congress, Calif State Water Resources Control Board, Calif Dept of Water Resources            | Sampling of water-quality impacts of recent Camp Fire in California                                                                                                                     | As part of a multi-center study, CAWSC needs to conduct time sensitive water-quality sampling during winter storms in areas affected by the devastating Camp Fire in Northern California. This sampling will assess potential impacts of the fire on drinking water quality, with a focus on organics and chromium. Failing to collect data during coming storms seriously compromises the data set, as these runoff events can not be duplicated later.                                                                                                                                                  | Fieldwork in watersheds affected by Camp Fire, and University based office (non-federal facility) | 2018 appropriations - Environmental Health Mission area funding                                                               | Up to 80 days                                                       | 4  |
| 4 | Pacific Coastal and Marine Science Center | US Department of State, US Department of the Interior, UNESCO, Federated States of Micronesia | Scientist travel to provide geoscience technical advisory support at the Nan Madol UNESCO World Heritage Site and US DOI National Historical Landmark.                                  | Partner agencies requested USGS participation in field visit to monument on Pohn Pei to evaluate coastal geologic and coastal oceanographic conditions. USGS scientist is sole participant with expertise in reef wave, circulation, and sediment transport processes. Failure to provide field technical advice restoration as requested by the US ambassador to the Federated States of Micronesia and US Department of State impedes their planning and jeopardizes potential for USGS to obtain future funding for studies related to the restoration.                                                | Field work on Pohn Pei in the Federated States of Micronesia                                      | State Department                                                                                                              | 14 days (Jan 15 - 27)                                               | 1  |
|   |                                           |                                                                                               |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |                                                                                                                               |                                                                     |    |
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## Instructions

Column A. Identify the category that the activity falls under:

1. Safety, Security, Life, Health
2. Mission Critical activities requested by Customers
3. Core Mission Critical experiments that cannot be stopped without irreversible harm to our scientific investments
4. Events scheduled with public or stakeholders

Note: A mission critical factor is any factor (experiment, data, component, equipment, personnel, process, procedure, software, procurement etc.) that is essential to an operation or to an organization. Failure or disruption of mission critical factors will result in serious impact on operations or upon an organization, and could cause social turmoil or catastrophes. Studies or planning are not considered critical.

Column B. Identify the Mission Area and/or Center that would fund the work. (Ex. Natural hazards, Earthquake Science Center).

Column C. Identify Customer for example if it was appropriated, the customer is Congress. If it is a Bureau(s) within the Interior state which bureau(s), or another agency: NASA, NOAA etc. Other customers: State(s) that are funding activity

Column D. Description of Activity. How would you use staff to conduct the work. If there is more than one activity explain. If some activities require a funded contractor specify contractor name and award #.

Column E. Impact to mission if not performed. When does this activity become a concern. Include a date if possible. What can happen if the work is not conducted. If there is a timeframe for when this work becomes critical describe. For example, If streamgages are not checked every #X weeks, data could be incorrect causing errors in weather forecasting.

Column F. Identify the location of where this activity needs to be conducted. Example, if remotely state field work or telework. If a building is required, is it a federally secured building, GSA lease, USGS Owned, or can be conducted at a University.

Column G. If a reimbursable agreement has not been signed do not propose the task. If you have a signed agreement and have cash available identify it as "Reimbursable - \$XXX" showing the amount of cash available to work the activity. If you have a signed agreement and no cash, identify it as "Reimbursable - Unfunded". If you have 2018 appropriated funds, identify it as "2018 Approps"

Column H. Estimate the amount of days or months this task will last.

Column I. Estimate how many people are required for the task.

## Conversation Contents

### Northwest Region requests for special-case activities during the shutdown

#### Attachments:

/8. Northwest Region requests for special-case activities during the shutdown/1.1 NW Region - Shutdown Planning Special Case Activities Spend Plan - 9Jan2019.xlsx

#### "van Heeswijk, Marijke" <heeswijk@usgs.gov>

---

**From:** "van Heeswijk, Marijke" <heeswijk@usgs.gov>  
**Sent:** Wed Jan 09 2019 15:21:32 GMT-0700 (MST)  
**To:** "Lodge, Cynthia" <clodge@usgs.gov>  
**CC:** David Applegate <applegate@usgs.gov>, "Kinsinger, Anne" <akinsinger@usgs.gov>, "Guertal, William" <wguertal@usgs.gov>, Donald Cline <dccline@usgs.gov>, William H Werkheiser <whwerkhe@usgs.gov>, Curtis Hoelsing <choelsing@usgs.gov>, Jill Rolland <jrolland@usgs.gov>, Marijke van Heeswijk <heeswijk@usgs.gov>  
**Subject:** Northwest Region requests for special-case activities during the shutdown  
**Attachments:** NW Region - Shutdown Planning Special Case Activities Spend Plan - 9Jan2019.xlsx

Cindy,

Attached is a compilation of Northwest Region requests for special-case activities during the shutdown. Water Science Center activities (IDWSC, ORWSC, WAWSC, WY-MT WSC) were submitted directly to Bill Guertal.

Several NHMA requests involve activation of contracts, as noted by Dave Applegate in his email to you. One of FRESC's requests also involves activation of a contract. Lisa Womack has been contacted about each of these contracts.

Please let me know if you have any questions.

Thanks,  
Marijke

Marijke van Heeswijk, Acting Regional Director, USGS Northwest Region  
909 1st Ave, 8th floor, Seattle, WA 98104; Cell: 206-948-5792

#### Cynthia Lodge <clodge@usgs.gov>

---

**From:** Cynthia Lodge <clodge@usgs.gov>  
**Sent:** Wed Jan 09 2019 15:27:39 GMT-0700 (MST)  
**To:** "van Heeswijk, Marijke" <heeswijk@usgs.gov>  
**CC:** David Applegate <applegate@usgs.gov>, "Kinsinger, Anne" <akinsinger@usgs.gov>, "Guertal, William" <wguertal@usgs.gov>, Donald Cline <dccline@usgs.gov>, William H Werkheiser <whwerkhe@usgs.gov>, Curtis Hoelsing <choelsing@usgs.gov>, Jill Rolland <jrolland@usgs.gov>  
**Subject:** Re: Northwest Region requests for special-case activities during the shutdown

Thx

Cynthia (Cindy) Lodge  
Associate Director BPI  
United States Geological Survey  
(703) 648-4443

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Marijke van Heeswijk, Acting Regional Director, USGS Northwest Region  
909 1st Ave, 8th floor, Seattle, WA 98104; Cell: 206-948-5792

<NW Region - Shutdown Planning Special Case Activities Spend Plan - 9Jan2019.xlsx>

**Shutdown Planning: Special Case Activities Spend Plan**

| Priority<br>(1, 2, 3, 4) | Mission Area,<br>Program or<br>Center                                  | Customer                                                   | Description of Activity                                                               | Impact to mission if not performed<br>(Why its important now)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Location                     | Fund source                      | Duration | # of Staff |
|--------------------------|------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|----------|------------|
| 2, 3                     | Natural Hazards<br>MA,<br>Geologic Hazards<br>Science Center<br>(GHSC) | Congress                                                   | Use disaster relief funds to procure equipment, repair equipment and map land changes | Field work to install new seismic equipment in Puerto Rico was scheduled to begin this month as part of the 2018 Hurricane Supplemental. Dates were chosen in order to coordinate with borehole drillers mobilizing from Washington state. Rescheduling the work would significantly complicate this effort as the drill rig would not be available for another year. Moving forward requires two contractors to conduct the field work, one OAG employee to complete a minor contract modification, and one Albuquerque Seismic Lab employee to coordinate data reception and QC. The field effort is expected to take two weeks. | Field work in<br>Puerto Rico | 2018 Approps;<br>2019<br>Approps | 14 days  | 4          |
| 3                        | Natural Hazards<br>MA,<br>Geologic Hazards<br>Science Center<br>(GHSC) | National<br>Earthquake<br>Information<br>Center            | Repair seismic monitoring station at the South Pole, Antarctica                       | The seismic station in Antarctica is in need of service. Two contractors (fully funded on FY18 dollars) are scheduled to depart to service this station on Friday, Jan 11. There are only limited dates that one can go to the South Pole, and if this trip is canceled, it will force a year delay in servicing this station, which is a key monitoring site for detecting and reporting on global earthquakes. While the repair work is underway, two additional contractors are needed at the Albuquerque Seismological Laboratory to coordinate proper data transmission and station performance.                              | South Pole                   | 2018 Approps                     | 30 days  | 4          |
| 1                        | Natural Hazards<br>MA,<br>Geologic Hazards<br>Science Center<br>(GHSC) | National<br>Weather<br>Service,<br>emergency<br>responders | Update debris flow hazard thresholds for burned areas of California                   | The National Weather Service is in need of refined rainfall thresholds that will enable them to forecast and communicate the potential magnitude of post-wildfire debris flows based on rainfall projections. This is the rainy season in California, and following the severe fires experienced this past summer and fall, the rainfall threshold information is critical for debris-flow early warning.                                                                                                                                                                                                                          | Golden, CO<br>office work    | 2019 Approps                     | 10 days  | 1          |
| 3                        | Natural Hazards<br>MA,<br>Geologic Hazards<br>Science Center<br>(GHSC) | National<br>Earthquake<br>Information<br>Center (NEIC)     | Transition the NEIC earthquake processing system off of Oracle                        | The Geologic Hazards Science Center is facing a May deadline to migrate its earthquake monitoring system off of Oracle in order to prevent being hit with a half million dollar bill for continued use of this database software. This is a very challenging project that has been underway for two years - work must continue if we are to stay on schedule. Two contractors and two government employees are required to work full time to meet the May deadline.                                                                                                                                                                | Golden, CO<br>office work    | 2018 Approps; 2019<br>Approps    | 90 days  | 4          |



|   |                                                                     |                                                                                                                                   |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |                                 |                                     |                                               |
|---|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------|-----------------------------------------------|
| 2 | Natural Hazards MA, Geologic Hazards Science Center (GHSC)          | Google, State Departments of Transportation, United Nations World Food Program, other critical users of real-time earthquake info | Address computer issues for real-time earthquake products                                                                                                                                                                                   | Computer issues are beginning to pile up for the National Earthquake Information Center's real-time product applications. We are receiving complaints from users that some of our services are beginning to be compromised. We require activation of two contract employees and two government employees for up to 3 days (each) to address these problems. Contractors are fully funded with FY18 appropriations.                                                                                                                                                                                                             | Golden, CO office work                                                                                | 2018 Approps; 2019 Approps      | 3 days                              | 4                                             |
| 1 | Northern Rocky Mountain Science Center (NOROCK)                     | Congress                                                                                                                          | Maintain USGS remote weather stations that are utilized by other agencies for operations that impact public health and safety                                                                                                               | These remote weather stations are located in extreme winter environments and require periodic maintenance to ensure they remain operational. The U.S. Forest Service uses the station data for daily avalanche forecasting. Without these data, avalanche forecasting ability is compromised and thus public safety is compromised. The National Weather Service uses the station data for weather forecasting. Without the data, forecasting errors may occur that jeopardize public safety. Because the stations have been without maintenance for more than two weeks, we expect that maintenance will be needed by Jan 11. | Field work, Montana (Glacier National Park)                                                           | 2019 Appropriations             | Intermittent, as needed - ~150 days | 2                                             |
| 3 | Ecosystems MA, Forest and Rangeland Ecosystem Science Center (FRES) | Bureau of Land Management (BLM), State of Idaho                                                                                   | Conduct time-sensitive, critical maintenance of a long-term rangeland experiment to show BLM and private ranchers when resumption of livestock grazing can safely follow wildfire                                                           | If experiment is not maintained, we will not be able to meet the rancher and BLM manager's priority request to know how their significant investments in post-fire restoration can maximize grazing on cattle forage. Over \$300,000 of BLM investment in USGS research will be lost, in addition to significant investments BLM has made in post fire-seeding for this experiment.                                                                                                                                                                                                                                            | Remote fieldwork near Boise, ID. Building access to Snake River Field station for necessary supplies. | FY18 BLM funding                | Four 8-10 hour work days            | 6                                             |
| 3 | Ecosystems MA, Forest and Rangeland Ecosystem Science Center (FRES) | Bureau of Land Management (BLM), U.S. Fish and Wildlife Service, California Dept. of Fish and Wildlife                            | USGS is conducting research to support energy development on public lands. This work measures environmental impacts and mitigation strategies of wind turbine-caused wildlife mortality in the Palm Springs, California, area.              | Student contractors are assisting in year-round monitoring. Without monthly measurements, we will be unable to measure fatality of wildlife at turbines during the winter season, which is a crucial time for several migratory trust species. BLM has invested more than \$600,000 in this project, and more than half of the needed information will be lost without these measurements.                                                                                                                                                                                                                                     | Palm Springs, CA                                                                                      | FY18 BLM funding                | 0.5 hour                            | 1 contracting officer to restart the contract |
| 3 | Ecosystems MA, Forest and Rangeland Ecosystem Science Center (FRES) | Bureau of Land Management (BLM), U.S. Fish and Wildlife Service (USFWS)                                                           | Complete time sensitive maintenance of a critical field experiment to determine if removal of barred owls can improve population trends of the threatened northern spotted owl. This experiment is in final, critical stages of completion. | Experimental removal of barred owls must be maintained during later winter and early spring to maintain low populations of barred owls achieved via 3 previous years of removals. Over \$2.5 million that has been invested by USFWS and BLM will be lost if removal activities are not maintained during key periods of barred owl colonization, 1 Feb - 15 April.                                                                                                                                                                                                                                                            | Cle Elum, WA; Corvallis, OR; Roseburg, OR                                                             | FY18 BLM and FY18 USFWS funding | 160 hrs of field work per person    | 6                                             |



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|-----------|-------------------------------------------------------|----------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------|---------|---|
| Example 2 | Natural Hazards<br>Geologic Hazards<br>Science Center | Congress | Procurement actions required for the EEW build-out                 | Supplements to Cooperative Agreements for Earthquake Early Warning (EEW) build-out. The EHP has about \$2.9M in supplements to cooperative agreements for EEW that are scheduled to be awarded on January 15, 2019, and funded with FY2018 carryover (from Congressionally-added funding for EEW build-out).                                                                                  | Reston and geological science center | 2018 Approps | 30 days | 4 |
| Example 2 | Natural Hazards<br>Earthquake<br>Science Center       | Congress | Procurement actions required for the ANSS Regional Seismic Network | Award the annual increments of ANSS Regional Seismic Network (RSN) and Geodetic Network (GN) Cooperative agreements. FY2018 funding for a dozen ANSS regional seismic networks must to be awarded by February 1, 2019, and funding for ANSS geodetic networks needs to be awarded by March 1, 2019. If the awards are not made, the lapse of funding could cause some networks to go offline. | Reston Earthquake Science center     | 2018 Approps | 45 days | 4 |
|           |                                                       |          |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                               |                                      |              |         |   |
|           |                                                       |          |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                               |                                      |              |         |   |
|           |                                                       |          |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                               |                                      |              |         |   |

## Instructions

Column A. Identify the category that the activity falls under:

1. Safety, Security, Life, Health
2. Mission Critical activities requested by Customers
3. Core Mission Critical experiments that cannot be stopped without irreversible harm to our scientific investments
4. Events scheduled with public or stakeholders

Note: A mission critical factor is any factor (experiment, data, component, equipment, personnel, process, procedure, software, procurement etc.) that is essential to an operation or to an organization. Failure or disruption of mission critical factors will result in serious impact on operations or upon an organization, and could cause social turmoil or catastrophes. Studies or planning are not considered critical.

Column B. Identify the Mission Area and/or Center that would fund the work. (Ex. Natural hazards, Earthquake Science Center).

Column C. Identify Customer for example if it was appropriated, the customer is Congress. If it is a Bureau(s) within the Interior state which bureau(s), or another agency: NASA, NOAA etc. Other customers: State(s) that are funding activity

Column D. Description of Activity. How would you use staff to conduct the work. If there is more than one activity explain. If some activities require a funded contractor specify contractor name and award #.

Column E. Impact to mission if not performed. When does this activity become a concern. Include a date if possible. What can happen if the work is not conducted. If there is a timeframe for when this work becomes critical describe. For example, If streamgages are not checked every #X weeks, data could be incorrect causing errors in weather forecasting.

Column F. Identify the location of where this activity needs to be conducted. Example, if remotely state field work or telework. If a building is required, is it a federally secured building, GSA lease, USGS Owned, or can be conducted at a University.

Column G. If a reimbursable agreement has not been signed do not propose the task. If you have a signed agreement and have cash available identify it as "Reimbursable - \$XXX" showing the amount of cash available to work the activity. If you have a signed agreement and no cash, identify it as "Reimbursable - Unfunded". If you have 2018 appropriated funds, identify it as "2018 Approps"

Column H. Estimate the amount of days or months this task will last.

Column I. Estimate how many people are required for the task.

## Conversation Contents

### Special Cases from Natural Hazards Mission Area

#### Attachments:

/9. Special Cases from Natural Hazards Mission Area/1.1 Shutdown Planning Special Case Activities Spend Plan NHMA to OBPI.xlsx

---

#### "Applegate, David" <applegate@usgs.gov>

**From:** "Applegate, David" <applegate@usgs.gov>  
**Sent:** Wed Jan 09 2019 14:19:27 GMT-0700 (MST)  
**To:** "Lodge, Cynthia" <clodge@usgs.gov>  
**CC:** Mark Sogge <mark\_sogge@usgs.gov>, Aimee Devaris <adevaris@usgs.gov>, Kevin Gallagher <kgallagher@usgs.gov>, Marijke Van Heeswijk <heeswijk@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, Trent Richardson <trichardson@usgs.gov>, James Anderson <jganderson@usgs.gov>  
**Subject:** Special Cases from Natural Hazards Mission Area  
**Attachments:** Shutdown Planning Special Case Activities Spend Plan NHMA to OBPI.xlsx

Cindy,

Here are several special cases from the Natural Hazards Mission Area, all related to procurement and co-op agreement actions for which further delays could significantly impact cooperators. Copying Jim Anderson since all consequently would involve OAG activations.

The mission area is also supportive of the cases coming forward from the Northwest and Pacific Regions relating to NHMA-funded centers. Have been in touch with Aimee on possible center-based actions that may need to be added in the future. And with Kevin on CSS's lidar submissions related to the hurricane-wildfire supplemental.

Please let me know if you have any questions.

Thanks, Dave

-----  
David Applegate, Ph.D.  
Associate Director for Natural Hazards  
U.S. Geological Survey  
12201 Sunrise Valley Drive MS 111, Reston VA 20192  
703 648 6600 voice, 703 648 7031 fax  
[applegate@usgs.gov](mailto:applegate@usgs.gov)

On Tue, Jan 8, 2019 at 12:49 PM Lodge, Cynthia <clodge@usgs.gov> wrote:

From the call it sounded like some folks didn't realize there are two tabs in the attachment. Tab 1 is the template, and tab 2 are the Instructions.

v/r  
Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

On Tue, Jan 8, 2019 at 10:11 AM Lodge, Cynthia <clodge@usgs.gov> wrote:

At today's 11:30 call the Director will provide status and some discussion on work that we may need to consider conducting as this furlough continues to extend.

Attached is a template similar to the "Shutdown Planning: Special Case Activities template" with a few additional fields. I have included a few examples and instructions. We will discuss this at the meeting this morning with an action to use this template to populate items you would like the Director to consider.

Thanks

Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

---

#### Cynthia Lodge <clodge@usgs.gov>

**From:** Cynthia Lodge <clodge@usgs.gov>  
**Sent:** Wed Jan 09 2019 14:35:04 GMT-0700 (MST)  
**To:** "Applegate, David" <applegate@usgs.gov>  
**CC:** Mark Sogge <mark\_sogge@usgs.gov>, Aimee Devaris <adevaris@usgs.gov>, Kevin Gallagher <kgallagher@usgs.gov>, Marijke Van Heeswijk <heeswijk@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, Trent Richardson <trichardson@usgs.gov>, James Anderson <jganderson@usgs.gov>  
**Subject:** Re: Special Cases from Natural Hazards Mission Area

Thanks

I will meet with JR and let you know what is approved.

Cynthia (Cindy) Lodge  
Associate Director BPI  
United States Geological Survey  
(703) 648-4443

On Jan 9, 2019, at 4:19 PM, Applegate, David <[applegate@usgs.gov](mailto:applegate@usgs.gov)> wrote:

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USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

<Shutdown Planning Special Case Activities Spend Plan NHMA to OBPI.xlsx>

**Shutdown Planning: Special Case Activities Spend Plan**

| Priority<br>(1, 2, 3, 4) | Mission Area,<br>Program or<br>Center                                                                                | Customer                                                                                           | Description of Activity                                                                                               | Impact to mission if not performed<br>(Why its important now)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Location                                                                                                 | Fund source                   | Duration | # of Staff |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------|----------|------------|
| 1 & 2                    | Natural Hazards<br>MA, Geologic<br>Hazards SC,<br>Earthquake SC,<br>Volcano SC, Office<br>of Acquisition &<br>Grants | Congress,<br>University<br>Partners,<br>Emergency<br>Management                                    | Procurement action on seismic equipment<br>contracts for earthquake and volcano<br>monitoring                         | Progress toward completing work supported by the hurricane<br>supplemental and FY18 one-time funding for earthquake early<br>warning and volcano monitoring upgrades is stalled because<br>new seismic equipment contracts need to be put in place. This<br>requires work by staff in the Office of Acquisition and Grants to<br>set-up the new contracts. There is strong pressure from<br>Congress and partners for progress on all three activities<br>dependent on this procurement action. Instrument suppliers<br>do not maintain large inventories and often don't begin a<br>production run until an order is placed. Lead times can be<br>months and thus instruments may not be available for the<br>summer field work if there is further delay, jeopardizing the<br>entire field season. | USGS facilities in<br>Reston, Denver,<br>possibly<br>Albuquerque,<br>Golden,<br>Sacramento,<br>Anchorage | 2018 Approps,<br>Supplemental | 60 days  | 4          |
| 1 & 2                    | Natural Hazards<br>MA, Earthquake<br>SC, OAG                                                                         | Congress,<br>University<br>Partners,<br>Emergency<br>Management                                    | Procurement actions required for the EEW<br>build-out                                                                 | Supplements to Cooperative Agreements for Earthquake Early<br>Warning (EEW) build-out. The Earthquake Hazards Program<br>has about \$2.9M in supplements to cooperative agreements<br>for EEW that are scheduled to be awarded on January 15,<br>2019, and funded with FY2018 carryover (from Congressionally-<br>added funding for EEW build-out). If awards are not made on<br>time, then progress of network buildout for EEW would be<br>significantly delayed, degrading reliability and accuracy of EEW<br>in California, Oregon and Washington.                                                                                                                                                                                                                                               | USGS facilities in<br>Reston, Menlo<br>Park, Pasadena                                                    | 2018 Approps                  | 30 days  | 4          |
| 1 & 2                    | Natural Hazards<br>MA, Geologic<br>Hazards SC,<br>Earthquake SC,<br>OAG                                              | Congress,<br>University<br>Partners,<br>Emergency<br>Management                                    | Procurement actions required for the ANSS<br>Regional Seismic Network                                                 | Award the annual increments of ANSS Regional Seismic<br>Network (RSN) and Geodetic Network (GN) Cooperative<br>agreements. FY2018 funding for a dozen ANSS regional seismic<br>networks must to be awarded by February 1, 2019, and<br>funding for ANSS geodetic networks needs to be awarded by<br>March 1, 2019. If the awards are not made, the lapse of<br>funding could cause some networks to go offline, degrading<br>timeliness and accuracy of real-time earthquake monitoring                                                                                                                                                                                                                                                                                                              | USGS facilities in<br>Reston, Menlo<br>Park, Pasadena                                                    | 2018 Approps                  | 45 days  | 4          |
| 1 & 2                    | Natural Hazards<br>MA, Volcano<br>Science Center,<br>OAG                                                             | Congress,<br>University and<br>state geological<br>survey<br>partners,<br>National Park<br>Service | Timely awarding of cooperative agreement<br>awards to USGS volcano observatory partners<br>with Feb. 2019 start dates | Loss of Volcano monitoring capability in the Pacific Northwest,<br>Alaska, and Yellowstone National Park and vicinity. Delay in<br>Coop awards to university and state survey partners will also<br>result in no network maintenance, disruption of monitoring<br>data analysis and loss of situational awareness at active<br>volcanoes. Delays in Coop award to state of Alaska ADOGS will<br>result in delay of new field technician hires for analog to digital<br>station conversion for Alaska Volcano monitoring stations and<br>delays in establishing helicopter, ship and fixed-wing aircraft<br>contracts in support of field operations planned for July-Sept<br>2019. Funding gaps to partners will cause attrition of critical<br>staff.                                               | USGS facilities in<br>Reston,<br>Anchorage,<br>Vancouver,<br>Menlo Park                                  | 2018 Approps                  | 60 days  | 2          |
|                          |                                                                                                                      |                                                                                                    |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          |                               |          |            |





## Instructions

Column A. Identify the category that the activity falls under:

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Column H. Estimate the amount of days or months this task will last.

Column I. Estimate how many people are required for the task.

## Conversation Contents

### Special Case Activities List - Pacific Region centers

#### Attachments:

/10. Special Case Activities List - Pacific Region centers/1.1 Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19.xlsx

"Sogge, Mark" <mark\_sogge@usgs.gov>

---

**From:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
**Sent:** Wed Jan 09 2019 14:16:45 GMT-0700 (MST)  
**To:** "Lodge, Cynthia" <clodge@usgs.gov>  
**CC:** William Werkheiser <whwerkhe@usgs.gov>  
**Subject:** Special Case Activities List - Pacific Region centers  
**Attachments:** Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19.xlsx

Hi Cindy. Here is a list of 12 requests from the Pacific Region. We tried to balance context and details with brevity to expedite the management team review. If you need more information on any of these, don't hesitate to ask.

Mark

*Mark Sogge, Regional Director, USGS Pacific Region  
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819  
office 916-278-9551; mobile 916-207-4108*

On Tue, Jan 8, 2019 at 7:11 AM Lodge, Cynthia <clodge@usgs.gov> wrote:

At today's 11:30 call the Director will provide status and some discussion on work that we may need to consider conducting as this furlough continues to extend.

Attached is a template similar to the "Shutdown Planning: Special Case Activities template" with a few additional fields. I have included a few examples and instructions. We will discuss this at the meeting this morning with an action to use this template to populate items you would like the Director to consider.

Thanks

*Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239*

Cynthia Lodge <clodge@usgs.gov>

---

**From:** Cynthia Lodge <clodge@usgs.gov>  
**Sent:** Wed Jan 09 2019 14:19:29 GMT-0700 (MST)  
**To:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
**CC:** William Werkheiser <whwerkhe@usgs.gov>  
**Subject:** Re: Special Case Activities List - Pacific Region centers

Thanks i will review and let you know if we have questions.

Cynthia (Cindy) Lodge  
Associate Director BPI  
United States Geological Survey  
(703) 648-4443

On Jan 9, 2019, at 4:16 PM, Sogge, Mark <mark\_sogge@usgs.gov> wrote:

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USGS Associate Director BPI  
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cell 571-524-2239

<Shutdown Planning Special Case Activities Spend Plan - Pacific Region 1-9-19.xlsx>

Shutdown Planning: Special Case Activities Spend Plan

| Priority<br>(1, 2, 3, 4) | Mission Area,<br>Program or<br>Center | Customer                                                                    | Description of Activity                                                                                                                                                                                                                                                                                                                               | Impact to mission if not performed<br>(Why its important now)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Location                                                                    | Fund source                                                                                                                | Duration                                       | # of Staff |
|--------------------------|---------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------|
| 1 & 2                    | Earthquake<br>Science Center          | California<br>Governor's<br>Office of<br>Emergency<br>Services (Cal<br>OES) | Continue work to permit and install seismic stations for EEW in California. This would require activation of an environmental compliance officer and a contractor (for permitting), three field technicians (for station installation), an Admin. Assistant (to make travel arrangements) and two project managers (Pasadena and Menlo Park).         | Earthquake Science Center staff must complete work to permit and install seismic stations funded by Cal OES by the end of March in order to get paid. Failing to complete this California-state funded work would result in lost funding, significantly delay the full implementation of EEW in California, and permanently damage our relationship with Cal OES.                                                                                                                                                                                                                                                                                                                                                                                                    | Field work, telework, and ESC offices in Menlo Park (GSA bldg) and Pasadena | Reimbursable from 2018/19 Calif. State Budget (through Cal OES). All funds currently in hand.                              | 90 days                                        | 8          |
| 1 & 2                    | Earthquake<br>Science Center          | Congress                                                                    | Continue to approve and monitor Pilot Projects for the ShakeAlert EEW system. This would require activating the ESC Center Director, Coordinator for ShakeAlert Communication, Education, and Outreach and the EEW Project Chief. The Director of the Earthquake Science Center is already activated and will also be participating in this activity. | The USGS has prime responsibility for approving and monitoring progress with about 80 Pilot Projects that use USGS-generated ShakeAlerts to take automatic actions and alert end users in the event of potentially damaging earthquakes. Daily, pilot partners are asking USGS for technical advice on the capabilities and limitations of EEW, education and training for earthquake response, and testing and optimization of ShakeAlert delivery mechanisms (cell phone apps, WEA, etc.). Failure to remain engaged with ShakeAlert Pilot partners via email, phone calls and meetings could have serious safety implications for technical end users and the public, including people who downloaded the EEW cell phone app released by the City of LA.          | Telework                                                                    | FY18 NHMA carryover                                                                                                        | 10 days                                        | 3          |
| 2                        | Western Ecological<br>Research Center | U.S. Fish &<br>Wildlife Service                                             | Field monitoring of spadefoot toad - a USFWS high priority pre-listing species                                                                                                                                                                                                                                                                        | The USFWS is required to make listing determination for spadefoot toad by early 2020. Determining the toad's current status requires information on current presence/absence and numbers at historic sites; toads can only be effectively located during the on-going precipitation events. If enough surveys are not conducted, USFWS listing determination could be impacted.                                                                                                                                                                                                                                                                                                                                                                                      | Field work                                                                  | 2018 Appropriated. USFWS obligated and provided FY18 funding to USGS amphibian experts to conduct surveys.                 | 10 days (8 days field work; 2 days field prep) | 6          |
| 2                        | Nevada Water<br>Science Center        | Bureau of Land<br>Management &<br>private industry                          | Storm runoff sampling at experimental dust palliative application area                                                                                                                                                                                                                                                                                | A Year-long experimental application of dust palliative is underway at an energy facility in the Mojave Desert. The USGS is sampling the runoff after each rain storm (which are infrequent in Southern NV) to determine the fate and transport of the compound. There has already been one missed sampling opportunity due to the lapse. This is likely a one-time data collection opportunity, due to existing private industry participation. If samples cannot be collected during infrequent storm events this winter or spring (the end of the planned data collection period), the NWWSC will not be able to meet contractual obligations. There is a storm forecast for sometime around January 14th, and the site could easily be dry for months afterward. | Field work                                                                  | Reimbursable from BLM (>\$50,000 total funding) BLM funding is prior year (FY17)<br><br>Completed JFA expires in Sept 2020 | 1 day                                          | 2          |

|   |                                 |                                                                                                                           |                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                       |                                                                                                                                                              |                                                           |    |
|---|---------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----|
| 2 | Nevada Water Science Center     | Tahoe Regional Planning Agency, Lahontan Regional Water Quality Control Board, California Tahoe Conservancy, and Congress | Collection of storm water samples in Lake Tahoe Basin Tributaries; sediment, nutrients, and streamflow.                                               | USGS is responsible for collecting sediment and nutrient input data to understand the impact of storms to Lake Tahoe water clarity. Missing time-sensitive sampling opportunities of winter storms will impact contractual obligations with multiple agencies. Lake Tahoe sampling is high-profile study for the NVWSC and multiple agencies depend on continued USGS storm data for analysis of their parallel data sets. The Lake Tahoe basin is currently in the peak storm season with storm events forecast over the next two weeks (Jan 10 - 24).                                                                                                                                     | Field work                                                                                                                            | 65% Reimbursable from Tahoe partners; 35% Appropriated from WMA cooperative matching funds. >\$300,000 total funding.                                        | 6 days                                                    | 3  |
| 2 | Water, Nevada Science Center    | Nevada Dept of Transportation and Congress                                                                                | Collection of storm water samples in the Clear Creek watershed. Sediment, metals, nutrients and streamflow.                                           | Storm events in the Clear Creek drainage impacts water quality used for public supply and downstream infrastructure and highways. NDOT uses storm sampling information to guide tens of millions of dollars of State funding to reduce impacts from state and federal highways running through the drainage. If USGS fails to collect time-sensitive nutrient and sediment data, our cooperative relations and contractual obligations with NDOT will be jeopardized. The Clear Creek drainage is currently in the peak storm season with storm events forecast over the next two weeks (Jan 10 - 24).                                                                                      | Field work                                                                                                                            | 65% Reimbursable from NDOT; 35% Appropriated from WMA cooperative matching funds. ~ \$100,000 total funding.<br><br>Approved 4-year JFA expires in Sept 2021 | Less than 7 days, depending on road conditions and access | 2  |
| 2 | California Water Science Center | Bureau of Reclamation                                                                                                     | Hydrologic monitoring and assessments required for the Federal Central Valley Project operations and adaptive management of the California Bay-Delta. | The CAWSC provides crucial hydrologic data and information to the Bureau of Reclamation, which relies on this data and information in the wet winter season for <u>daily</u> Central Valley Project operations and adaptive management decisions in the Bay-Delta (e.g. implementing WIIII Act provisions that allow increased exports to farmers when Delta inflows increase). Disruption of this work may result in serious impact on water project operations and prevent on-time delivery of critically needed information products.                                                                                                                                                    | University-based office and field office (in non-federal facilities), and field work in the Delta                                     | 100% appropriated - 2019 funding Bureau of Reclamation (have already received \$6M for FY19 use)                                                             | 80 days season (CA peak wet January-March)                | 20 |
| 2 | California Water Science Center | California Department of Water Resources                                                                                  | Hydrologic monitoring and assessments required for the California State Water Project operations and adaptive management of the California Bay-Delta. | The CAWSC provides crucial hydrologic data and information about the San Francisco Bay-Delta to the California Department of Water Resources (CDWR) and numerous stakeholders during the wet winter season. This includes data and information about sediment and pollutant runoff after recent wildfires. This work is funded mostly by CDWR and required for State water project operations and management decisions in the California Bay-Delta regarding the water supply for millions of Californians. Disruption of this work may have serious impacts on water project operations and prevent on-time delivery of critically needed information products so that work can be billed. | University-based office and field office (in non-federal facilities), and field work in the Delta and adjacent Cache Creek watershed. | 92% California Department of Water Resources funding , 8% USGS matching funds (approps.)                                                                     | 80 days (CA peak wet season January-March)                | 12 |

|   |                                           |                                                                                               |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |                                                                                                                             |                                                                     |    |
|---|-------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----|
| 2 | California Water Science Center           | California State Water Resources Control Board                                                | Monitoring and assessments of groundwater quality in priority groundwater basins required to protect drinking, agricultural, and industrial water quality for millions of Californians.                                                                                                                                          | The CAWSC provides critically important data and information about groundwater quality in priority groundwater basins required by the California State Water Quality Control Board (SWRCB) to protect California's critical groundwater supply. The work is almost entirely (97%) funded by the SWRCB. The USGS must meet quarterly deliverable targets so that work can be billed. Two agreements with the SWRCB expire March 31, 2019, after which the obligated funds from the State expire. On-time completion of the deliverables is necessary to receive full payment of the obligated State funds. | University-based offices in Sacramento and San Diego (non-federal facilities) and telework        | 97% California State Water Resources Control Board Funding (some expires March 31, 2019), 3% USGS matching funds (approps.) | 80 days (to end of 2 funding agreements expiring on March 31, 2019) | 30 |
| 2 | California Water Science Center           | Congress, Calif State Water Resources Control Board, Calif Dept of Water Resources            | Sampling of water-quality impacts of recent Camp Fire in California                                                                                                                                                                                                                                                              | As part of a multi-center study, CAWSC needs to conduct time sensitive water-quality sampling during winter storms in areas affected by the devastating Camp Fire in Northern California. This sampling will assess potential impacts of the fire on drinking water quality, with a focus on organics and chromium. Failing to collect data during coming storms seriously compromises the data set, as these runoff events can not be duplicated later.                                                                                                                                                  | Fieldwork in watersheds affected by Camp Fire, and University based office (non-federal facility) | 2018 appropriations - Environmental Health Mission area funding                                                             | Up to 80 days                                                       | 4  |
| 2 | Pacific Coastal and Marine Science Center | Congress, FEMA                                                                                | Set up and initiate model simulations to (a) assess increased coastal susceptibility of Florida, Puerto Rico, and USVI to flooding due to damage by Hurricanes Irma and Maria; and (b) guide FEMA-funded restoration to reduce hazards to, and increase the resilience of, Florida, Puerto Rico, and USVI's coastal communities. | These model results are requested and needed by FEMA to guide \$10s of millions in restoration activities. Progress toward completing work (funded by the 2017 Hurricane Supplemental) stalled when modeling computers were shut down mid-run, causing the loss of 4+ weeks of processing time, increasing the delivery time by >50%. A small investment of time now to re-start the model runs will avoid weeks more delays. Most work will be by PCWSC staff, but some help needed from Pennsylvania Water Science Center to generate model forcing parameters.                                         | PCWSC office in Santa Cruz (commercial leased facility)                                           | 2017 Hurricane and Wildfire Supplemental                                                                                    | 4 days to set up simulations that will run (unattended) for 30 days | 5  |
| 4 | Pacific Coastal and Marine Science Center | US Department of State, US Department of the Interior, UNESCO, Federated States of Micronesia | Scientist travel to provide geoscience technical advisory support at the Nan Madol UNESCO World Heritage Site and US DOI National Historical Landmark.                                                                                                                                                                           | Partner agencies requested USGS participation in field visit to monument on Pohn Pei to evaluate coastal geologic and coastal oceanographic conditions. USGS scientist is sole participant with expertise in reef wave, circulation, and sediment transport processes. Failure to provide field technical advice restoration as requested by the US ambassador to the Federated States of Micronesia and US Department of State impedes their planning and jeopardizes potential for USGS to obtain future funding for studies related to the restoration.                                                | Field work on Pohn Pei in the Federated States of Micronesia                                      | State Department                                                                                                            | 14 days (Jan 15 - 27)                                               | 1  |
|   |                                           |                                                                                               |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |                                                                                                                             |                                                                     |    |
|   |                                           |                                                                                               |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |                                                                                                                             |                                                                     |    |
|   |                                           |                                                                                               |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |                                                                                                                             |                                                                     |    |

## Instructions

Column A. Identify the category that the activity falls under:

1. Safety, Security, Life, Health
2. Mission Critical activities requested by Customers
3. Core Mission Critical experiments that cannot be stopped without irreversible harm to our scientific investments
4. Events scheduled with public or stakeholders

Note: A mission critical factor is any factor (experiment, data, component, equipment, personnel, process, procedure, software, procurement etc.) that is essential to an operation or to an organization. Failure or disruption of mission critical factors will result in serious impact on operations or upon an organization, and could cause social turmoil or catastrophes. Studies or planning are not considered critical.

Column B. Identify the Mission Area and/or Center that would fund the work. (Ex. Natural hazards, Earthquake Science Center).

Column C. Identify Customer for example if it was appropriated, the customer is Congress. If it is a Bureau(s) within the Interior state which bureau(s), or another agency: NASA, NOAA etc. Other customers: State(s) that are funding activity

Column D. Description of Activity. How would you use staff to conduct the work. If there is more than one activity explain. If some activities require a funded contractor specify contractor name and award #.

Column E. Impact to mission if not performed. When does this activity become a concern. Include a date if possible. What can happen if the work is not conducted. If there is a timeframe for when this work becomes critical describe. For example, If streamgages are not checked every #X weeks, data could be incorrect causing errors in weather forecasting.

Column F. Identify the location of where this activity needs to be conducted. Example, if remotely state field work or telework. If a building is required, is it a federally secured building, GSA lease, USGS Owned, or can be conducted at a University.

Column G. If a reimbursable agreement has not been signed do not propose the task. If you have a signed agreement and have cash available identify it as "Reimbursable - \$XXX" showing the amount of cash available to work the activity. If you have a signed agreement and no cash, identify it as "Reimbursable - Unfunded". If you have 2018 appropriated funds, identify it as "2018 Approps"

Column H. Estimate the amount of days or months this task will last.

Column I. Estimate how many people are required for the task.



## Conversation Contents

WY-MT WSC streamgage status 20190109

"Miller, Kirk" <[kmiller@usgs.gov](mailto:kmiller@usgs.gov)>

---

**From:** "Miller, Kirk" <[kmiller@usgs.gov](mailto:kmiller@usgs.gov)>  
**Sent:** Wed Jan 09 2019 10:20:38 GMT-0700 (MST)  
**To:** William Guertal <[wguertal@usgs.gov](mailto:wguertal@usgs.gov)>  
**CC:** Marie Peppler <[mpeppler@usgs.gov](mailto:mpeppler@usgs.gov)>, William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>, John M Kilpatrick <[jmkilpat@usgs.gov](mailto:jmkilpat@usgs.gov)>, Marijke van Heeswijk <[heeswijk@usgs.gov](mailto:heeswijk@usgs.gov)>  
**Subject:** WY-MT WSC streamgage status 20190109

Good morning, Bill-

Currently, Wyoming-Montana WSC has 12 streamgages not transmitting, transmitting sporadically, or transmitting erroneous data. After additional evaluation and consideration of no stakeholder feedback, we do not believe any of those streamgages with issues meet criteria 1 or 2 (facilitates protection life / property or cooperator mission critical, respectively).

As such, the WY-MT WSC will not be submitting the "Shutdown Planning Special Case Activities Spend Plan" spreadsheet at this time (I believe those were my instructions -- please let me know if not the case).

WRT IJC, for our International sites, we have 2 discharge measurements needed next week. However, our Accredited Officer (John Kilpatrick) believes we can ask Water Survey Canada to cover if needed (we have a great working relationship with them and frequently trade responsibilities).

I resurrected my email to major cooperators and stakeholders sent in December, at the beginning of the furlough. In it, I indicated I will request authorization to repair streamgages meeting those criteria should they contact me with that request. I resent it this morning.

It probably goes without saying we will see additional failures in the coming days and weeks. Several sites are showing signs of failing batteries.

Let me know if you have any questions or concerns.

Kirk

--

profile: [Kirk Miller - U.S. Geological Survey](#)  
web: Current Streamflow for [Wyoming](#) | [Montana](#)  
map: [521 Progress Circle, Ste 6, Cheyenne, WY 82007](#)  
w: 307-775-9168 m: 307-630-0782 twitter: [@USGS\\_WY](#) / [@USGS\\_MT](#)

"Guertal, William" <[wguertal@usgs.gov](mailto:wguertal@usgs.gov)>

---

**From:** "Guertal, William" <[wguertal@usgs.gov](mailto:wguertal@usgs.gov)>  
**Sent:** Wed Jan 09 2019 11:52:47 GMT-0700 (MST)  
**To:** "Miller, Kirk" <[kmiller@usgs.gov](mailto:kmiller@usgs.gov)>  
**CC:** Marie Peppler <[mpeppler@usgs.gov](mailto:mpeppler@usgs.gov)>, William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>, John M Kilpatrick <[jmkilpat@usgs.gov](mailto:jmkilpat@usgs.gov)>, Marijke van Heeswijk <[heeswijk@usgs.gov](mailto:heeswijk@usgs.gov)>  
**Subject:** Re: WY-MT WSC streamgage status 20190109

Thanks for the update.

\*\*\*\*\*  
William R. Guertal, Ph.D.  
Deputy Associate Director for Water  
12201 Sunrise Valley Dr, MS 436  
Room 5A324  
Reston, VA 20192-0002  
Office (703) 648-5060  
Cell - (317) 697-5109  
Fax - (703) 648 5002  
[wguertal@usgs.gov](mailto:wguertal@usgs.gov)  
\*\*\*\*\*

On Wed, Jan 9, 2019 at 12:21 PM Miller, Kirk <[kmiller@usgs.gov](mailto:kmiller@usgs.gov)> wrote:

Good morning, Bill-

Currently, Wyoming-Montana WSC has 12 streamgages not transmitting, transmitting sporadically, or transmitting erroneous data. After additional evaluation and consideration of no stakeholder feedback, we do not believe any of those streamgages with issues meet criteria 1 or 2 (facilitates protection life / property or cooperator mission critical, respectively).

As such, the WY-MT WSC will not be submitting the "Shutdown Planning Special Case Activities Spend Plan" spreadsheet at this time (I believe those were my instructions -- please let me know if not the case).

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It probably goes without saying we will see additional failures in the coming days and weeks. Several sites are showing signs of failing batteries.

Let me know if you have any questions or concerns.

Kirk

--

profile: [Kirk Miller - U.S. Geological Survey](#)

web: Current Streamflow for [Wyoming](#) | [Montana](#)

map: [521 Progress Circle, Ste 6, Cheyenne, WY 82007](#)

w: 307-775-9168 m: 307-630-0782 twitter: [@USGS\\_WY](#) / [@USGS\\_MT](#)

## Conversation Contents

### Shutdown Update

#### Attachments:

/12. Shutdown Update/1.1 Shutdown Planning Special Case Activities Spend Plan.xlsx

"Lodge, Cynthia" <clodge@usgs.gov>

---

**From:** "Lodge, Cynthia" <clodge@usgs.gov>  
**Sent:** Tue Jan 08 2019 08:11:29 GMT-0700 (MST)  
**To:** GS elt <elt@usgs.gov>  
**Subject:** Shutdown Update  
**Attachments:** Shutdown Planning Special Case Activities Spend Plan.xlsx

At today's 11:30 call the Director will provide status and some discussion on work that we may need to consider conducting as this furlough continues to extend.

Attached is a template similar to the "Shutdown Planning: Special Case Activities template" with a few additional fields. I have included a few examples and instructions. We will discuss this at the meeting this morning with an action to use this template to populate items you would like the Director to consider.

Thanks

Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

"Lodge, Cynthia" <clodge@usgs.gov>

---

**From:** "Lodge, Cynthia" <clodge@usgs.gov>  
**Sent:** Tue Jan 08 2019 10:49:22 GMT-0700 (MST)  
**To:** GS elt <elt@usgs.gov>  
**Subject:** Re: Shutdown Update

From the call it sounded like some folks didn't realize there are two tabs in the attachment. Tab 1 is the template, and tab 2 are the Instructions.

v/r  
Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

On Tue, Jan 8, 2019 at 10:11 AM Lodge, Cynthia <clodge@usgs.gov> wrote:

At today's 11:30 call the Director will provide status and some discussion on work that we may need to consider conducting as this furlough continues to extend.

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Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

"Kinsinger, Anne" <akinsinger@usgs.gov>

---

**From:** "Kinsinger, Anne" <akinsinger@usgs.gov>  
**Sent:** Wed Jan 09 2019 11:28:52 GMT-0700 (MST)  
**To:** "Lodge, Cynthia" <clodge@usgs.gov>  
**CC:** GS elt <elt@usgs.gov>  
**Subject:** Re: Shutdown Update

Cindy, nothing to report for EMA HQ and CRU's. Anne

Anne E. Kinsinger  
Associate Director for Ecosystems  
US Geological Survey  
12201 Sunrise Valley Dr.  
Reston, VA 20192  
703-648-4050  
Cell: 571-212-6898

On Tue, Jan 8, 2019 at 10:11 AM Lodge, Cynthia <[clodge@usgs.gov](mailto:clodge@usgs.gov)> wrote:

At today's 11:30 call the Director will provide status and some discussion on work that we may need to consider conducting as this furlough continues to extend.

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Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

---

**"Lodge, Cynthia" <[clodge@usgs.gov](mailto:clodge@usgs.gov)>**

**From:** "Lodge, Cynthia" <[clodge@usgs.gov](mailto:clodge@usgs.gov)>  
**Sent:** Wed Jan 09 2019 11:29:48 GMT-0700 (MST)  
**To:** "Kinsinger, Anne" <[akinsinger@usgs.gov](mailto:akinsinger@usgs.gov)>  
**CC:** GS elt <[elt@usgs.gov](mailto:elt@usgs.gov)>  
**Subject:** Re: Shutdown Update

Thanks for the update.

Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

On Wed, Jan 9, 2019 at 1:29 PM Kinsinger, Anne <[akinsinger@usgs.gov](mailto:akinsinger@usgs.gov)> wrote:

Cindy, nothing to report for EMA HQ and CRU's. Anne

-----  
Anne E. Kinsinger  
Associate Director for Ecosystems  
US Geological Survey  
12201 Sunrise Valley Dr.  
Reston, VA 20192  
703-648-4050  
Cell: 571-212-6898

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Thanks

Cynthia (Cindy) Lodge  
USGS Associate Director BPI  
office (703) 648-4443  
cell 571-524-2239

Shutdown Planning: Special Case Activities Spend Plan

| Priority<br>(1, 2, 3, 4) | Mission Area,<br>Program or<br>Center                                      | Customer | Description of Activity                                                              | Impact to mission if not performed<br>(Why its important now)                                                                                                                                                                                                                                                                                                                                                   | Location                                   | Fund source  | Duration | # of Staff |
|--------------------------|----------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------|----------|------------|
| Example<br>2             | Natural Hazards<br>Caribbean WSC and<br>Geologic Hazards<br>Science Center | Congress | Disaster relief funds to procure equipment,<br>repair equipment and map land changes | Progress toward completing work that was funded by the<br>hurricane supplemental is stalled because effort is still needed<br>to establish new seismic equipment contracts. This includes<br>work by staff in the Geologic Hazards Science<br>Center/Albuquerque Seismological Laboratory to set-up the<br>contracts.                                                                                           | Field work                                 | 2018 Approps | 60 days  | 11         |
| Example<br>2             | Natural Hazards<br>Geologic Hazards<br>Science Center                      | Congress | Procurement actions required for the EEW<br>build-out                                | Supplements to Cooperative Agreements for Earthquake Early<br>Warning (EEW) build-out. The EHP has about \$2.9M in<br>supplements to cooperative agreements for EEW that are<br>scheduled to be awarded on January 15, 2019, and funded<br>with FY2018 carryover (from Congressionally-added funding<br>for EEW build-out).                                                                                     | Reston and<br>geological<br>science center | 2018 Approps | 30 days  | 4          |
| Example<br>2             | Natural Hazards<br>Earthquake<br>Science Center                            | Congress | Procurement actions required for the ANSS<br>Regional Seismic Network                | Award the annual increments of ANSS Regional Seismic<br>Network (RSN) and Geodetic Network (GN) Cooperative<br>agreements. FY2018 funding for a dozen ANSS regional seismic<br>networks must to be awarded by February 1, 2019, and<br>funding for ANSS geodetic networks needs to be awarded by<br>March 1, 2019. If the awards are not made, the lapse of<br>funding could cause some networks to go offline. | Reston<br>Earthquake<br>Science center     | 2018 Approps | 45 days  | 4          |
|                          |                                                                            |          |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |              |          |            |
|                          |                                                                            |          |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |              |          |            |
|                          |                                                                            |          |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |              |          |            |
|                          |                                                                            |          |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |              |          |            |

## Instructions

Column A. Identify the category that the activity falls under:

1. Safety, Security, Life, Health
2. Mission Critical activities requested by Customers
3. Core Mission Critical experiments that cannot be stopped without irreversible harm to our scientific investments
4. Events scheduled with public or stakeholders

Note: A mission critical factor is any factor (experiment, data, component, equipment, personnel, process, procedure, software, procurement etc.) that is essential to an operation or to an organization. Failure or disruption of mission critical factors will result in serious impact on operations or upon an organization, and could cause social turmoil or catastrophes. Studies or planning are not considered critical.

Column B. Identify the Mission Area and/or Center that would fund the work. (Ex. Natural hazards, Earthquake Science Center).

Column C. Identify Customer for example if it was appropriated, the customer is Congress. If it is a Bureau(s) within the Interior state which bureau(s), or another agency: NASA, NOAA etc. Other customers: State(s) that are funding activity

Column D. Description of Activity. How would you use staff to conduct the work. If there is more than one activity explain. If some activities require a funded contractor specify contractor name and award #.

Column E. Impact to mission if not performed. When does this activity become a concern. Include a date if possible. What can happen if the work is not conducted. If there is a timeframe for when this work becomes critical describe. For example, If streamgages are not checked every #X weeks, data could be incorrect causing errors in weather forecasting.

Column F. Identify the location of where this activity needs to be conducted. Example, if remotely state field work or telework. If a building is required, is it a federally secured building, GSA lease, USGS Owned, or can be conducted at a University.

Column G. If a reimbursable agreement has not been signed do not propose the task. If you have a signed agreement and have cash available identify it as "Reimbursable - \$XXX" showing the amount of cash available to work the activity. If you have a signed agreement and no cash, identify it as "Reimbursable - Unfunded". If you have 2018 appropriated funds, identify it as "2018 Approps"

Column H. Estimate the amount of days or months this task will last.

Column I. Estimate how many people are required for the task.

## Conversation Contents

Bill / Dave Fwd: Modifications to Part-time Exempt Employee List for GMEG

"Sogge, Mark" <mark\_sogge@usgs.gov>

**From:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
**Sent:** Wed Jan 09 2019 10:44:50 GMT-0700 (MST)  
**To:** William Werkheiser <whwerkhe@usgs.gov>, David Applegate <applegate@usgs.gov>  
**Subject:** Bill / Dave Fwd: Modifications to Part-time Exempt Employee List for GMEG

Hi Bill, Dave. Due to potential for landslides associated with rainfall events in Bay Area, yesterday Colin Williams (Geology, Minerals, Energy and Geophysics Science Center) adjusted his Center's part-time exempt list to make sure we have sufficient eyes on our soil moisture monitoring network. Details below.

Mark

Mark Sogge, Regional Director, USGS Pacific Region  
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819  
office 916-278-9551; mobile 916-207-4108

----- Forwarded message -----

From: **Williams, Colin** <colin@usgs.gov>  
Date: Tue, Jan 8, 2019 at 1:57 PM  
Subject: Modifications to Part-time Exempt Employee List for GMEG  
To: Sogge, Mark <mark\_sogge@usgs.gov>, Jane Reid <jareid@usgs.gov>

Mark and Jane,

A few minutes ago I made modifications to the Part-time Exempt Employee workbook to reflect the heightened involvement of our employees in the Bay Area soil moisture monitoring network. The level of soil moisture has reached a point at which another storm could send it past the threshold for triggering landslides. Brian Collins, already on the excepted list for 1 hour per day, has been monitoring the network and keeping the National Weather Service informed. In light of the circumstances, he has involved Kevin Schmidt, his supervisor and also a landslide scientist, to review the data and interpretations before he communicates with NWS. We also may need to activate Skye Corbett in the event there are any issues that need to be addressed with the network instrumentation.

I believe these are the only changes associated with GMEG, and that we will not be submitting any Special Case Activities requests, although I am inquiring on that topic within the Center. I have included the workbook entries below.

cheers,  
Colin

|                                                                           |                           |                                                        |                                                                                                                                                                                                                               |                                                    |
|---------------------------------------------------------------------------|---------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Pacific Region - Geology, Minerals, Energy, and Geophysics Science Center | Landslide Hazards Program | Monitor network for landslide forecasting and warning. | Network monitoring, communication with partner organization (National Weather Service) for landslide warning in the SF Bay Area, and potential response to rockfall events in Yosemite National Park (National Park Service). | Brian Collins, Research Scientist, 5466 and (b)(6) |
| Pacific Region - Geology, Minerals, Energy, and Geophysics Science Center | Landslide Hazards Program | Monitor network for landslide forecasting and warning. | Network monitoring, communication with partner organization (National Weather Service) for landslide warning in the SF Bay Area.                                                                                              | Kevin Schmidt, Research Scientist, and (b)(6)      |
| Pacific Region - Geology, Minerals, Energy, and Geophysics Science Center | Landslide Hazards Program | Monitor network for landslide forecasting and warning. | Network monitoring, communication with partner organization (National Weather Service) for landslide warning in the SF Bay Area.                                                                                              | Skye Corbett, Geologist, (b)(6)                    |

--

\*\*\*\*\*  
Colin F. Williams, Ph.D.  
Director  
Geology, Minerals, Energy, and Geophysics Science Center  
US Geological Survey  
345 Middlefield Rd., MS 973  
Menlo Park, CA 94025  
[colin@usgs.gov](mailto:colin@usgs.gov)  
Tel: 650-329-4881  
Cell: 650-888-3755  
\*\*\*\*\*

## Conversation Contents

Bill - question re activating to respond to downed piling

---

### Mark Sogge <mark\_sogge@usgs.gov>

**From:** Mark Sogge <mark\_sogge@usgs.gov>  
**Sent:** Wed Jan 09 2019 09:31:12 GMT-0700 (MST)  
**To:** William Werkheiser <whwerkhe@usgs.gov>  
**Subject:** Bill - question re activating to respond to downed piling

Hi Bill. Per Eric Reichard, the piling for one of our delta flow stations appears to have fallen over (reported by Dwr). This could be navigational hazard. We need to send a crew to check it out— would also involve paying for a dive team (could do with credit card). I assume this falls under emergency response rather than going through the spreadsheet exercise? Mark Sogge USGS Pacific Region Director 916-207-4108

---

### "Werkheiser, William" <whwerkhe@usgs.gov>

**From:** "Werkheiser, William" <whwerkhe@usgs.gov>  
**Sent:** Wed Jan 09 2019 09:45:09 GMT-0700 (MST)  
**To:** Mark Sogge <mark\_sogge@usgs.gov>  
**Subject:** Re: Bill - question re activating to respond to downed piling

Yes, I agree. Please proceed.

On Wed, Jan 9, 2019 at 11:31 AM Mark Sogge <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)> wrote:

Hi Bill. Per Eric Reichard, the piling for one of our delta flow stations appears to have fallen over (reported by Dwr). This could be navigational hazard. We need to send a crew to check it out— would also involve paying for a dive team (could do with credit card). I assume this falls under emergency response rather than going through the spreadsheet exercise?

Mark Sogge  
USGS Pacific Region Director  
916-207-4108

--

William H. Werkheiser  
Deputy Director, U.S. Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
703-648-7412

---

### Mark Sogge <mark\_sogge@usgs.gov>

**From:** Mark Sogge <mark\_sogge@usgs.gov>  
**Sent:** Wed Jan 09 2019 09:46:50 GMT-0700 (MST)  
**To:** "Werkheiser, William" <whwerkhe@usgs.gov>  
**Subject:** Re: Bill - question re activating to respond to downed piling

Thanks!

Mark Sogge  
USGS Pacific Region Director  
916-207-4108

On Jan 9, 2019, at 8:45 AM, Werkheiser, William <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)> wrote:

Yes, I agree. Please proceed.

On Wed, Jan 9, 2019 at 11:31 AM Mark Sogge <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)> wrote:

Hi Bill. Per Eric Reichard, the piling for one of our delta flow stations appears to have fallen over (reported by Dwr). This could be navigational hazard. We need to send a crew to check it out— would also involve paying for a dive team (could do with credit card). I assume this falls under emergency response rather than going through the spreadsheet exercise?

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916-207-4108



--

William H. Werkheiser  
Deputy Director, U.S. Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
703-648-7412

## Conversation Contents

Re: Activating staff for Hazard Model incorporation into building codes

"van Heeswijk, Marijke" <heeswijk@usgs.gov>

**From:** "van Heeswijk, Marijke" <heeswijk@usgs.gov>  
**Sent:** Sun Jan 06 2019 11:27:08 GMT-0700 (MST)  
**To:** "McCarthy, Jill" <jmccarthy@usgs.gov>  
**CC:** David Applegate <applegate@usgs.gov>, William H Werkheiser <whwerkhe@usgs.gov>  
**Subject:** Re: Activating staff for Hazard Model incorporation into building codes

Jill,

You've outlined a clear need for a limited number of your employees to work during the furlough because not doing so would directly impact the country's ability to update building codes in a timely manner for the purpose of protecting lives and property in areas at risk of damaging earthquakes.

You have my approval to call employees back to work for the requested purpose. The catch is that I'm unsure if I have authority to give this approval because as far as I know, I'm not an excepted employee during the furlough. I've cc'd Bill Werkheiser so he can confirm whether I have authority to give approval to call employees back to work or perhaps Dave knows if I'm allowed to do so.

Thanks,  
Marijke

Marijke van Heeswijk, Acting Regional Director, USGS Northwest Region  
909 1st Ave, 8th floor, Seattle, WA 98104; Cell: 206-948-5792

On Sun, Jan 6, 2019 at 9:11 AM McCarthy, Jill <jmccarthy@usgs.gov> wrote:  
Marijke with a cc to David Applegate,

An issue has come up that we anticipated with a prolonged lapse in appropriations and that is that we are now at risk of not completing the preparation of 2018 design value input model (derived from the 2018 National Seismic Hazard Model; NSHM), which is to be considering for adoption by the Building Seismic Safety Council (BSSC) on February 22, 2019. This meeting is held once every six years to approve the seismic provisions for the next generation of model building codes, and the entire effort to revise the USGS seismic hazard model is synchronized to make this deadline. This has life safety implications insofar as the updates of the NSHM are the single most effective means of better preparing structures to withstand the ground shaking from earthquakes.

Ironically, we faced this same issue in 2013 (during the previous 6-year BSSC code cycle), when the first shutdown threatened the review/acceptance of the 2014 NSHM by the BSSC. Faced with this situation, the decision was made to activate a small number of people for the minimum amount of time to keep the ball rolling. Thus there is precedent for activating personnel during the shutdown to stay on track. I am proposing the same process now.

David Applegate gave me approval late last week to review the situation and develop a plan; that plan is detailed below.

I would like to proceed with executing this plan but want to make sure both arms of the matrix are supportive.

The individuals involved are identified below, along with an estimated time line.  
If approved, I will have them all log their time as required at the Sharepoint website and in Quicktime.

Thanks for your collective consideration.  
Jill

\* **Oliver Boyd** processes, on Monday (the 7th), the higher-resolution basin depth runs that were started before the shutdown and should be complete by now.

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If the shutdown continues past the 21st, additional work would be needed, including the activation of Mark Petersen and Ken Rukstales.

--

Jill McCarthy  
Center Director

USGS Hazards Science Center  
MS 966; P.O. Box 25046  
Denver, CO 80225  
303-273-8579

**William Werkheiser** <whwerkhe@usgs.gov>

---

**From:** William Werkheiser <whwerkhe@usgs.gov>  
**Sent:** Sun Jan 06 2019 17:04:45 GMT-0700 (MST)  
**To:** "van Heeswijk, Marijke" <heeswijk@usgs.gov>  
**CC:** "McCarthy, Jill" <jmccarthy@usgs.gov>, David Applegate <applegate@usgs.gov>  
**Subject:** Re: Activating staff for Hazard Model incorporation into building codes

Marijke and Jill: Please consider this email as authorization for activation. -Best, Bill

Sent from my iPad

On Jan 6, 2019, at 1:27 PM, van Heeswijk, Marijke <[heeswijk@usgs.gov](mailto:heeswijk@usgs.gov)> wrote:

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--

Jill McCarthy  
Center Director  
USGS Hazards Science Center  
MS 966; P.O. Box 25046  
Denver, CO 80225  
303-273-8579

**David Applegate <applegate@usgs.gov>**

---

**From:** David Applegate <applegate@usgs.gov>  
**Sent:** Sun Jan 06 2019 17:10:13 GMT-0700 (MST)  
**To:** William Werkheiser <whwerkhe@usgs.gov>  
**Subject:** Re: Activating staff for Hazard Model incorporation into building codes

Thanks, Bill!

-----  
David Applegate, Ph.D.  
Associate Director for Natural Hazards  
U.S. Geological Survey  
[12201 Sunrise Valley Drive MS 111](#)  
[Reston VA 20192](#)  
[703 648 6600](#)  
[applegate@usgs.gov](mailto:applegate@usgs.gov)

On Jan 6, 2019, at 7:04 PM, William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)> wrote:

Marijke and Jill: Please consider this email as authorization for activation. -Best, Bill

Sent from my iPad

On Jan 6, 2019, at 1:27 PM, van Heeswijk, Marijke <[heeswijk@usgs.gov](mailto:heeswijk@usgs.gov)> wrote:

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Jill McCarthy  
Center Director  
USGS Hazards Science Center  
MS 966; P.O. Box 25046  
Denver, CO 80225  
303-273-8579

**Jill McCarthy <jmccarthy@usgs.gov>**

**From:** Jill McCarthy <jmccarthy@usgs.gov>  
**Sent:** Sun Jan 06 2019 17:12:47 GMT-0700 (MST)  
**To:** William Werkheiser <whwerkhe@usgs.gov>  
**CC:** "van Heeswijk, Marijke" <heeswijk@usgs.gov>, David Applegate <applegate@usgs.gov>  
**Subject:** Re: Activating staff for Hazard Model incorporation into building codes

Much appreciated!

Sent from my iPhone

On Jan 6, 2019, at 5:04 PM, William Werkheiser <whwerkhe@usgs.gov> wrote:

Marijke and Jill: Please consider this email as authorization for activation. -Best, Bill

Sent from my iPad

On Jan 6, 2019, at 1:27 PM, van Heeswijk, Marijke <heeswijk@usgs.gov> wrote:

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Jill McCarthy  
Center Director  
USGS Hazards Science Center  
MS 966; P.O. Box 25046  
Denver, CO 80225  
303-273-8579

## Conversation Contents

In Furlough Status Re: Activating staff for Hazard Model incorporation into building codes

**"McCarthy, Jill" <jmccarthy@usgs.gov>**

---

**From:** "McCarthy, Jill" <jmccarthy@usgs.gov>  
**Sent:** Sun Jan 06 2019 17:04:49 GMT-0700 (MST)  
**To:** whwerkhe@usgs.gov  
**Subject:** In Furlough Status Re: Activating staff for Hazard Model incorporation into building codes

"You have reached Jill McCarthy's USGS email. Due to the lapse in appropriations, I am prohibited from conducting work as a Federal employee, including returning phone calls and emails, until further notice. If you urgently need to speak with someone at the USGS regarding emergencies or matters of protecting life and property, call (703) 648-7411 or (703) 648-7412. For more information on the shutdown, please visit the Department of the Interior website at [www.doi.gov](http://www.doi.gov). Thank you.

--

Jill McCarthy  
Center Director  
USGS Hazards Science Center  
MS 966; P.O. Box 25046  
Denver, CO 80225  
303-273-8579

## Conversation Contents

Israel/Palestine water workshop excepted activity

**"Labson, Victor" <vlabson@usgs.gov>**

---

**From:** "Labson, Victor" <vlabson@usgs.gov>  
**Sent:** Sat Dec 22 2018 13:59:05 GMT-0700 (MST)  
**To:** "Werkheiser, William" <whwerkhe@usgs.gov>  
**Subject:** Israel/Palestine water workshop excepted activity

Bill,

Verne and Jack Eggeston (there may be someone else as well) are scheduled to be at at Israel/Palestine water workshop on Cyprus January 4. State Dept's DAS for Israel Palestine Affaires has let us know that they would consider this to be an excepted activity as a National security issue, i.e. Middle East peace. There is also an argument that this protects the USGS intellectual property on knowledge of Middle Eastern hydrology.

Should we tell Verne that this can proceed as an excepted activity?

Thanks,

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

**William Werkheiser <whwerkhe@usgs.gov>**

---

**From:** William Werkheiser <whwerkhe@usgs.gov>  
**Sent:** Sat Dec 22 2018 14:50:56 GMT-0700 (MST)  
**To:** "Labson, Victor" <vlabson@usgs.gov>  
**Subject:** Re: Israel/Palestine water workshop excepted activity

Sure. Go ahead.

Sent from my iPad

On Dec 22, 2018, at 3:59 PM, Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

Bill,

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Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

**"Labson, Victor" <vlabson@usgs.gov>**

---

**From:** "Labson, Victor" <vlabson@usgs.gov>  
**Sent:** Sat Dec 22 2018 15:19:40 GMT-0700 (MST)  
**To:** William Werkheiser <whwerkhe@usgs.gov>



**Subject:** Re: Israel/Palestine water workshop excepted activity

Thanks,

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
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vlabson@usgs.gov

On Sat, Dec 22, 2018 at 4:50 PM William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)> wrote:  
Sure. Go ahead.

Sent from my iPad

On Dec 22, 2018, at 3:59 PM, Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

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**"Labson, Victor" <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>**

---

**From:** "Labson, Victor" <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)>  
**Sent:** Fri Jan 04 2019 09:35:38 GMT-0700 (MST)  
**To:** William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>  
**CC:** Shari Delung <[sdelung@usgs.gov](mailto:sdelung@usgs.gov)>  
**Subject:** Re: Israel/Palestine water workshop excepted activity

Bill,

We forgot that Carmen Diaz-Pensler is needed to prepare for the Israel-Palestine workshop in Cyprus. I would like to request that Carmen's time be excepted for this activity supporting those already excepted. This would be about 8 hours.

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
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Sure. Go ahead.

Sent from my iPad

On Dec 22, 2018, at 3:59 PM, Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

Bill,

Verne and Jack Eggeston (there may be someone else as well) are scheduled to be at Israel/Palestine water workshop on Cyprus January 4. State Dept's DAS for Israel Palestine Affaires has let us know that they would consider this to be an excepted

activity as a National security issue, i.e. Middle East peace. There is also an argument that this protects the USGS intellectual property on knowledge of Middle Eastern hydrology.

Should we tell Verne that this can proceed as an excepted activity?

Thanks,

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

## Conversation Contents

update Re: Activation request for Sogge and Applegate related to EEW

**Mark Sogge** <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)>

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**From:** Mark Sogge <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)>  
**Sent:** Tue Jan 01 2019 10:36:10 GMT-0700 (MST)  
**To:** James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)>  
**CC:** "Anderson, James" <[jganderson@usgs.gov](mailto:jganderson@usgs.gov)>, "Wozniak, Julie" <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)>, "Applegate, David" <[applegate@usgs.gov](mailto:applegate@usgs.gov)>, William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>, Cindy Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>  
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Julie V. Wozniak  
Deputy Associate Director for Human Capital  
US Geological Survey  
Office of Human Capital  
703-648-7442 (office)  
703-648-7451 (fax)

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**Date:** December 28, 2018 at 5:48:30 AM PST  
**To:** [elt@usgs.gov](mailto:elt@usgs.gov)  
**Subject:** Fwd: POB Info: Congressional Schedule Update

FYI

Cynthia (Cindy) Lodge  
Associate Director BPI  
United States Geological Survey  
(703) 648-4443

Begin forwarded message:

**From:** Denise Flanagan <[denise\\_flanagan@ios.doi.gov](mailto:denise_flanagan@ios.doi.gov)>  
**Date:** December 27, 2018 at 6:17:50 PM EST  
**To:** [doi\\_bureau\\_budget\\_officers@ios.doi.gov](mailto:doi_bureau_budget_officers@ios.doi.gov)  
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Denise Flanagan, CDFM

Director, Office of Budget  
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1849 C. Street NW, Room 4108  
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<[denise\\_flanagan@ios.doi.gov](mailto:denise_flanagan@ios.doi.gov)>  
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**To:** [doi\\_bureau\\_budget\\_officers@ios.doi.gov](mailto:doi_bureau_budget_officers@ios.doi.gov)  
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**"Applegate, David" <applegate@usgs.gov>**

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**Subject:** Re: update Re: Activation request for Sogge and Applegate related to EEW

Cindy and all,

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Dave

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[jganderson@usgs.gov](mailto:jganderson@usgs.gov)  
703-648-7200

Warning: This message is intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by return e-mail.

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Kind Regards,  
Julie

Julie V. Wozniak  
Deputy Associate Director for Human Capital  
US Geological Survey  
Office of Human Capital  
703-648-7442 (office)  
703-648-7451 (fax)

**WARNING:** This document is FOR OFFICIAL USE ONLY (FOUO). It is to be controlled, stored, handled, transmitted, distributed, and disposed of in accordance with policy relating to FOUO information. This information shall not be distributed beyond the original addressees without prior authorization of the originator. This communication, along with any attachments, is covered by Federal and State law governing electronic communications and may contain restricted and legally privileged information. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, use or copying of this message is strictly prohibited. If you have received this in error, please reply immediately to the sender and delete this message.

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Mark Sogge  
USGS Pacific Region Director  
916-207-4108

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**Date:** December 28, 2018 at 5:48:30 AM PST  
**To:** [elt@usgs.gov](mailto:elt@usgs.gov)  
**Subject:** Fwd: POB Info: Congressional Schedule Update

FYI

Cynthia (Cindy) Lodge  
Associate Director BPI  
United States Geological Survey  
(703) 648-4443

Begin forwarded message:

**From:** Denise Flanagan  
<[denise\\_flanagan@ios.doi.gov](mailto:denise_flanagan@ios.doi.gov)>  
**Date:** December 27, 2018 at 6:17:50 PM EST  
**To:** [doi\\_bureau\\_budget\\_officers@ios.doi.gov](mailto:doi_bureau_budget_officers@ios.doi.gov)  
**Cc:** [scott\\_cameron@ios.doi.gov](mailto:scott_cameron@ios.doi.gov)  
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Denise Flanagan, CDFM  
Director, Office of Budget  
U.S. Department of the Interior  
1849 C. Street NW, Room 4108  
Washington DC 20240  
Phone: [202-208-5309](tel:202-208-5309) (Direct Line)  
Email: [Denise\\_Flanagan@ios.doi.gov](mailto:Denise_Flanagan@ios.doi.gov)

---

**Cynthia Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>**

**From:** Cynthia Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>  
**Sent:** Tue Jan 01 2019 17:33:59 GMT-0700 (MST)  
**To:** "Applegate, David" <[applegate@usgs.gov](mailto:applegate@usgs.gov)>  
**CC:** Mark Sogge <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)>, James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)>, "Anderson, James" <[jganderson@usgs.gov](mailto:jganderson@usgs.gov)>, "Wozniak, Julie" <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)>, William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>, Margo Harris <[mrharris@usgs.gov](mailto:mrharris@usgs.gov)>  
**Subject:** Re: update Re: Activation request for Sogge and Applegate related to EEW

Thanks

Cynthia (Cindy) Lodge

Associate Director BPI  
United States Geological Survey  
(703) 648-4443

On Jan 1, 2019, at 7:28 PM, Applegate, David <[applegate@usgs.gov](mailto:applegate@usgs.gov)> wrote:

Cindy and all,

We can use (b)(5) for the 11:30am EST call tomorrow, and those in the office can meet in the Director's Small Conference Room.

Dave

-----  
David Applegate, Ph.D.  
Associate Director for Natural Hazards  
U.S. Geological Survey  
12201 Sunrise Valley Drive MS 111, Reston VA 20192  
703 648 6600 voice, 703 648 7031 fax  
[applegate@usgs.gov](mailto:applegate@usgs.gov)

On Tue, Jan 1, 2019 at 6:37 PM Cynthia Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)> wrote:

Margo  
Please let me know the call in number.

Thanks

Cynthia (Cindy) Lodge  
Associate Director BPI  
United States Geological Survey  
(703) 648-4443

On Jan 1, 2019, at 12:36 PM, Mark Sogge <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)> wrote:

Hi Jim. Dave's email to our contact at the City prompted a positive response and conversation yesterday. Subsequently, our Earthquake Science Center folks have been carrying on the working with City ShakeAlert leads and things look to be aligning with the approach we were advocating; framing the release as a continuation and broadening of the testing phase.

As of yesterday afternoon the ESC team was still working with the City on refining the talking points, including context, technical caveats to highlight, etc.. Should be done tomorrow, hopefully in time to include in our call

Overall, I think we are on good footing as we hone in on the final planning tomorrow.

Dave - anything to add at this point?

Mark Sogge  
USGS Pacific Region Director  
916-207-4108

On Jan 1, 2019, at 7:54 AM, James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)> wrote:

Mark, Dave,  
Do we have any more details from the Mayor? Can you shoot me a copy of the talking points?  
JR

Sent from my iPhone

On Dec 31, 2018, at 1:37 PM, Sogge, Mark <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)> wrote:

I echo that... thanks Julie!!

Mark  
*Mark Sogge, Regional Director, USGS Pacific Region  
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819  
office 916-278-9551; mobile 916-207-4108*

On Mon, Dec 31, 2018 at 9:14 AM Anderson, James <[jganderson@usgs.gov](mailto:jganderson@usgs.gov)> wrote:

Great work Julie. We all appreciate how on top of things you have been since the start of the shutdown. Thanks.

**James G. Anderson**  
Acting Associate Director for Administration  
[jganderson@usgs.gov](mailto:jganderson@usgs.gov)  
703-648-7200

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**Date:** December 28, 2018 at 5:48:30 AM PST

To: [elt@usgs.gov](mailto:elt@usgs.gov)  
Subject: Fwd: POB Info: Congressional  
Schedule Update

FYI

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Associate Director BPI  
United States Geological Survey  
(703) 648-4443

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Phone: [202-208-5309](tel:202-208-5309) (Direct Line)  
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## Conversation Contents

Activation request for Sogge and Applegate related to EEW

### "Applegate, David" <applegate@usgs.gov>

---

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**Sent:** Sat Dec 29 2018 11:23:54 GMT-0700 (MST)  
**To:** James Reilly <jfreilly@usgs.gov>  
**CC:** Mark Sogge <mark\_sogge@usgs.gov>, Margo Harris <mrharris@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>  
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**Sent:** Sat Dec 29 2018 17:53:33 GMT-0700 (MST)  
**To:** James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)>  
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**From:** Betsy Hildebrandt <[bhildebrandt@usgs.gov](mailto:bhildebrandt@usgs.gov)>  
**Sent:** Mon Dec 31 2018 07:49:59 GMT-0700 (MST)  
**To:** James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)>  
**CC:** "Applegate, David" <[applegate@usgs.gov](mailto:applegate@usgs.gov)>, Mark Sogge <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)>, Margo Harris <[mrharris@usgs.gov](mailto:mrharris@usgs.gov)>, William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>, Cindy Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>, Jim Anderson <[jganderson@usgs.gov](mailto:jganderson@usgs.gov)>, jwozniak@usgs.gov, timothy\_petty@ios.doi.gov, tsquinn@usgs.gov  
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Let me know how I can help. Happy New Year all!

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**Sent:** Mon Dec 31 2018 08:14:02 GMT-0700 (MST)  
**To:** "Applegate, David" <applegate@usgs.gov>  
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**CC:**  
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Your team has done a good job on Security Scanning and Patching. The last monthly scan was 12/09/2018 and there were no adverse findings on the public facing services. Overall your posture was good.

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Timothy S. Quinn  
Chief, Office of Enterprise Information (OEI)  
US Geological Survey  
US Department of the Interior  
12201 Sunrise Valley Drive  
Mail Stop 159 Room 4A124  
Reston VA 20192  
Office Phone: (703) 648-6839  
Cell: (240) 423-3292  
E-mail: [tsquinn@usgs.gov](mailto:tsquinn@usgs.gov)

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**"Wozniak, Julie" <jwozniak@usgs.gov>**

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**Sent:** Mon Dec 31 2018 09:24:32 GMT-0700 (MST)  
**To:** "Applegate, David" <applegate@usgs.gov>  
**CC:** James Reilly <jfreilly@usgs.gov>, Mark Sogge <mark\_sogge@usgs.gov>, Margo Harris <mrharris@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, Cindy Lodge <clodge@usgs.gov>, Jim Anderson <jganderson@usgs.gov>, Timothy Quinn <tsquinn@usgs.gov>, Betsy Hildebrandt <bhildebrandt@usgs.gov>  
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Julie V. Wozniak  
Deputy Associate Director for Human Capital  
US Geological Survey  
Office of Human Capital  
703-648-7442 (office)  
703-648-7451 (fax)

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**Subject:** Fwd: POB Info: Congressional Schedule Update

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**"Anderson, James" <jganderson@usgs.gov>**

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**Sent:** Mon Dec 31 2018 10:14:24 GMT-0700 (MST)  
**To:** "Wozniak, Julie" <jwozniak@usgs.gov>  
"Applegate, David" <applegate@usgs.gov>, James Reilly <jfreilly@usgs.gov>, Mark Sogge <mark\_sogge@usgs.gov>, Margo Harris <mrharris@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, Cindy Lodge <clodge@usgs.gov>, Timothy Quinn <tsquinn@usgs.gov>, Betsy Hildebrandt <bhildebrandt@usgs.gov>  
**CC:**  
**Subject:** Re: Activation request for Sogge and Applegate related to EEW

Great work Julie. We all appreciate how on top of things you have been since the start of the shutdown. Thanks.

**James G. Anderson**  
Acting Associate Director for Administration  
[jganderson@usgs.gov](mailto:jganderson@usgs.gov)  
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1849 C. Street NW, Room 4108  
Washington DC 20240  
Phone: [202-208-5309](tel:202-208-5309) (Direct Line)  
Email: [Denise\\_Flanagan@ios.doi.gov](mailto:Denise_Flanagan@ios.doi.gov)

**"Sogge, Mark" <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)>**

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**From:** "Sogge, Mark" <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)>  
**Sent:** Mon Dec 31 2018 11:37:45 GMT-0700 (MST)  
**To:** "Anderson, James" <[jganderson@usgs.gov](mailto:jganderson@usgs.gov)>  
**CC:** "Wozniak, Julie" <[jwozniak@usgs.gov](mailto:jwozniak@usgs.gov)>, "Applegate, David" <[applegate@usgs.gov](mailto:applegate@usgs.gov)>, James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)>, William Werkheiser <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)>, Cindy Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>  
**Subject:** Re: Activation request for Sogge and Applegate related to EEW

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**Subject:** Fwd: POB Info: Congressional Schedule Update

FYI

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**Date:** December 27, 2018 at 6:17:50 PM EST  
**To:** [doi\\_bureau\\_budget\\_officers@ios.doi.gov](mailto:doi_bureau_budget_officers@ios.doi.gov)  
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**Sent:** Tue Jan 01 2019 08:54:14 GMT-0700 (MST)  
**To:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
**CC:** "Anderson, James" <jganderson@usgs.gov>, "Wozniak, Julie" <jwozniak@usgs.gov>, "Applegate, David" <applegate@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, Cindy Lodge <clodge@usgs.gov>  
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Jim,

We scheduled an update briefing for you via Margo at 11:30am tomorrow and hope to have an new testing report from the City by then. Their initial reaction to our conveying your questions was constructive, and they seem open to posing the announcement as expanded testing. There was a call late yesterday with our ShakeAlert team and their folks to discuss. I haven't seen revised talking points yet.

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We know they have tested their ability to get the ShakeAlert messages to the point of delivery (cloud-hosted). What's still unclear – and part of what we want to run to ground – is the distribution testing.

Along those lines, the key here is expectations. If the city portrays this as seeking public users who can be part of an experiment to test the scalability of the app and help us develop a better system, then this could work out even if delivery is slow. That's where we would like to get with the city.

Our EEW folks have reviewed the app. The positives were that the City and its developer partners have conducted focus groups, provide good user instructions, and include the USGS disclaimer that we require of all the app developers. Another plus is that they have set a high threshold (magnitude-5.0) for triggering an alert, which is higher than the M4.5 threshold our external advisory committee proposed for testing applications. So they are being conservative in that regard.

Plenty more to unpack here but will leave it at that for now and follow up about a chat.

Thanks, Dave

-----  
David Applegate, Ph.D.  
Associate Director for Natural Hazards  
U.S. Geological Survey  
12201 Sunrise Valley Drive MS 111, Reston VA 20192  
703 648 6600 voice, 703 648 7031 fax  
[applegate@usgs.gov](mailto:applegate@usgs.gov)

On Sat, Dec 29, 2018 at 5:53 PM James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)> wrote:

So, I have to ask the question: how did we get so disconnected from the City's goals here? It sounds like this limited test which is what I understood this to be is now going to be a public service? If we're not "ready for prime time" to service between 4-17 million users we're not going to look good. Are we ready for this? I'd be very nervous if we haven't done a full-up test. Has this been done?

In short, you guys are activated and pull in anyone you need to. Coordinate this with Julie and Jim. Please keep me and Cindy tightly in the loop. This has to work.

JR

Sent from my iPhone

On Dec 29, 2018, at 1:23 PM, Applegate, David <[applegate@usgs.gov](mailto:applegate@usgs.gov)> wrote:

Jim,

We have a wrinkle with respect to the City of LA's rollout of its earthquake early warning app. Our expectation was that they were going to use the Jan. 3 event to announce it being widely tested by city employees, but they have decided instead to announce that the app is publicly available and encourage city residents to download it. We understand why they are doing this -- it was a pledge of the mayor -- but it goes beyond our current agreement, so we need to clarify how this release is characterized over the next several days in order to set expectations. It can still be a win -- this is potentially quite a valuable test of EEW delivery -- but will take some leg work.

Because this has to do with public use of our earthquake information, we feel it qualifies for excepted activity under public safety. The operation of the EEW servers is already an excepted activity. With that in mind, Mark and I are asking you to approve our activation on an as-needed basis so we can activate staff in the Earthquake Science Center and Earthquake Hazards Program as appropriate. We will keep activations to a minimum but want to have our i's dotted should any questions arise.

Thanks, Dave

-----  
David Applegate, Ph.D.  
Associate Director for Natural Hazards  
U.S. Geological Survey  
12201 Sunrise Valley Drive MS 111, Reston VA 20192  
703 648 6600 voice, 703 648 7031 fax  
[applegate@usgs.gov](mailto:applegate@usgs.gov)

On Fri, Dec 28, 2018 at 4:18 PM James Reilly <[jfreilly@usgs.gov](mailto:jfreilly@usgs.gov)> wrote:

Hi Mark,

I confirmed with our lawyers that travel is not authorized and that I won't be able to be present for the 3-Jan event. What we could do, if the Mayor would be interested, would be for me to deliver a statement either written or recorded. Another option would be live on a call. If neither works, please



extend my apologies.  
JR

Sent from my iPhone

On Dec 28, 2018, at 12:14 PM, Mark Sogge <[mark\\_sogge@usgs.gov](mailto:mark_sogge@usgs.gov)> wrote:

Hi Jim. I hope you and your family had a very nice Christmas holiday.

Based on the message from DOI POB and related media reports, it appears unlikely that USGS will be back to normal operations in time for our key folks to be back to work, wrap up the logistics arrangements and travel to the ShakeOutLA press conference early Jan 3rd. I would like to update our ShakeAlert partners so they know that Our regional USGSers can't take part, and can plan accordingly.

Is there anything you want me to relay regarding your participation?

Mark Sogge  
USGS Pacific Region Director  
916-207-4108

Begin forwarded message:

**From:** Cynthia Lodge <[clodge@usgs.gov](mailto:clodge@usgs.gov)>  
**Date:** December 28, 2018 at 5:48:30 AM PST  
**To:** [elt@usgs.gov](mailto:elt@usgs.gov)  
**Subject:** Fwd: POB Info: Congressional Schedule Update

FYI

Cynthia (Cindy) Lodge  
Associate Director BPI  
United States Geological Survey  
(703) 648-4443

Begin forwarded message:

**From:** Denise Flanagan <[denise\\_flanagan@ios.doi.gov](mailto:denise_flanagan@ios.doi.gov)>  
**Date:** December 27, 2018 at 6:17:50 PM EST  
**To:** [doi\\_bureau\\_budget\\_officers@ios.doi.gov](mailto:doi_bureau_budget_officers@ios.doi.gov)  
**Cc:** [scott\\_cameron@ios.doi.gov](mailto:scott_cameron@ios.doi.gov)  
**Subject:** POB Info: Congressional Schedule Update

All,

Recent news reports indicate the Senate will meet for legislative business 4:00pm Wednesday, January 2. The Senate will meet on Monday, briefly for a pro forma session, with no major business expected.

The House is also scheduled to meet at 10:00am next Monday.

Thanks, Denise

Denise Flanagan, CDFM

Director, Office of Budget  
U.S. Department of the Interior  
1849 C. Street NW, Room 4108  
Washington DC 20240  
Phone: [202-208-5309](tel:202-208-5309) (Direct Line)  
Email: [Denise\\_Flanagan@ios.doi.gov](mailto:Denise_Flanagan@ios.doi.gov)



## Conversation Contents

Steve - Continuing activation of key ESC employees related to EEW/ShakeAlertLA

"Sogge, Mark" <mark\_sogge@usgs.gov>

---

**From:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
**Sent:** Mon Dec 31 2018 11:36:04 GMT-0700 (MST)  
**To:** Stephen H Hickman <hickman@usgs.gov>  
**CC:** David Applegate <applegate@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>  
**Subject:** Steve - Continuing activation of key ESC employees related to EEW/ShakeAlertLA

Steve,

Via this email I am continuing the temporary activation of you, Bob deGroot, Doug Given and Jeff McGuire\*\*. Although not in excepted positions, you and the others will be performing very limited excepted work in support of our Earthquake Hazards program and projects (which has been determined to be an excepted activity).

Your continued activation will include emails, conference calls and other communications internally and with City of LA, drafting and review of written materials, working with OCAP and others on talking points or press release quotes, and similar work. This does not include in-person participation in the ShakeAlertLA event itself.

I anticipate that this work will take several hours per day between now and January 3rd, at which point we will likely deactivate everyone (though if there is a post-Jan 3rd need, we will adapt accordingly).

You and the others working during this furlough should be keeping track of their time. In addition to recording those hours in QuickTime (as regular hours), folks should also report their time DAILY on the system below:

[Internal SharePoint Reporting System](#)

Given the intermittent nature of your daily work on this topic, this reporting template may not fit your precise work pattern. Just do your best at accounting for the correct number of hours each day.

Thank you for engaging in this important work even in the midst of the furlough (b)(6). I know it isn't easy, and I appreciate your dedication and leadership. Let me know if you have any questions.

Mark

Mark Sogge, Regional Director, USGS Pacific Region  
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819  
office 916-278-9551; mobile 916-207-4108

**\*\* If there are others who are essential and need to be called in during this response, please do so but notify me ASAP.**

<hickman@usgs.gov>

**From:** <hickman@usgs.gov>  
**Sent:** Mon Dec 31 2018 14:30:51 GMT-0700 (MST)  
**To:** "Sogge, Mark" <mark\_sogge@usgs.gov>  
David Applegate <applegate@usgs.gov>, William Werkheiser <whwerkhe@usgs.gov>, Julie Wozniak <jwozniak@usgs.gov>, Jeff McGuire <jmcguire@usgs.gov>, <doug@usgs.gov>, Robert deGroot <rdegroot@usgs.gov>  
**CC:** <jwozniak@usgs.gov>, Jeff McGuire <jmcguire@usgs.gov>, <doug@usgs.gov>, Robert deGroot <rdegroot@usgs.gov>  
**Subject:** Re: Steve - Continuing activation of key ESC employees related to EEW/ShakeAlertLA

Got it, thanks Mark. Copying Doug, Bob and Jeff so they know that they are temporarily activated and need to be keeping track of their time on a daily basis.

Stephen Hickman  
Director, Earthquake Science Center  
U.S. Geological Survey, MS 977  
345 Middlefield Road  
Menlo Park, CA 94025  
Office: 650-329-4807  
Cell: 650-996-2356

On December 31, 2018 10:36:32 AM "Sogge, Mark" <mark\_sogge@usgs.gov> wrote:

Steve,

Via this email I am continuing the temporary activation of you, Bob deGroot, Doug Given and Jeff McGuire\*\*. Although not in excepted positions, you and the others will be performing very limited excepted work in support of our Earthquake Hazards program and projects (which has been determined to be an excepted activity).

Your continued activation will include emails, conference calls and other communications internally and with City of LA, drafting and review of written materials, working with OCAP and others on talking points or press release quotes, and similar work. This does not include in-person participation in the ShakeAlertLA event itself.

I anticipate that this work will take several hours per day between now and January 3rd, at which point we will likely deactivate everyone (though if there is a post-Jan 3rd need, we will adapt accordingly).

You and the others working during this furlough should be keeping track of their time. In addition to recording those hours in QuickTime (as regular hours), folks should also report their time DAILY on the system below:

[Internal SharePoint Reporting System](#)

Given the intermittent nature of your daily work on this topic, this reporting template may not fit your precise work pattern. Just do your best at accounting for the correct number

of hours each day.

Thank you for engaging in this important work even in the midst of the furlough and family travel. I know it isn't easy, and I appreciate your dedication and leadership. Let me know if you have any questions.

Mark

*Mark Sogge, Regional Director, USGS Pacific Region  
6000 J Street, CSUS Placer Hall, Suite 5000, Sacramento, CA 95819  
office 916-278-9551; mobile 916-207-4108*

**\*\* If there are others who are essential and need to be called in during this response, please do so but notify me ASAP.**

## Conversation Contents

Status

### "Werkheiser, William" <whwerkhe@usgs.gov>

---

**From:** "Werkheiser, William" <whwerkhe@usgs.gov>  
**Sent:** Wed Dec 26 2018 12:34:27 GMT-0700 (MST)  
**To:** "Neal-Mujahid, Regina" <rneal-mujahid@usgs.gov>, Michael Tupper <mtupper@usgs.gov>  
**Subject:** Status

Hey Regina and Mike. Just checking in on your status. A quick reply to this email would be great. -Thanks, Bill

--

William H. Werkheiser  
Deputy Director, U.S. Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
703-648-7412

### Regina Neal-Mujahid <rneal-mujahid@usgs.gov>

---

**From:** Regina Neal-Mujahid <rneal-mujahid@usgs.gov>  
**Sent:** Wed Dec 26 2018 13:27:59 GMT-0700 (MST)  
**To:** "Werkheiser, William" <whwerkhe@usgs.gov>  
**CC:** Michael Tupper <mtupper@usgs.gov>  
**Subject:** Re: Status

Sorry, (b)(6)

Sent from my iPhone

On Dec 26, 2018, at 2:34 PM, Werkheiser, William <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)> wrote:

Hey Regina and Mike. Just checking in on your status. A quick reply to this email would be great. -Thanks, Bill

--

William H. Werkheiser  
Deputy Director, U.S. Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
703-648-7412

### "Werkheiser, William" <whwerkhe@usgs.gov>

**From:** "Werkheiser, William" <whwerkhe@usgs.gov>  
**Sent:** Wed Dec 26 2018 13:28:44 GMT-0700 (MST)  
**To:** Regina Neal-Mujahid <rneal-mujahid@usgs.gov>  
**Subject:** Re: Status

Thanks for the update

On Wed, Dec 26, 2018 at 3:28 PM Regina Neal-Mujahid <[rneal-mujahid@usgs.gov](mailto:rneal-mujahid@usgs.gov)> wrote:

Sorry, (b)(6)

Sent from my iPhone

On Dec 26, 2018, at 2:34 PM, Werkheiser, William <[whwerkhe@usgs.gov](mailto:whwerkhe@usgs.gov)> wrote:

Hey Regina and Mike. Just checking in on your status. A quick reply to this email would be great. -Thanks, Bill

--

William H. Werkheiser  
Deputy Director, U.S. Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
703-648-7412

--

William H. Werkheiser  
Deputy Director, U.S. Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
703-648-7412

**Michael Tupper** <mtupper@usgs.gov>

---

**From:** Michael Tupper <mtupper@usgs.gov>  
**Sent:** Sat Dec 29 2018 11:47:16 GMT-0700 (MST)  
**To:** "Werkheiser, William" <whwerkhe@usgs.gov>  
**Subject:** Re: Status

Bill  
Doing well here.

[REDACTED] (b)(6)  
[REDACTED]  
You?

Sent from my iPhone

On Dec 26, 2018, at 2:34 PM, Werkheiser, William <whwerkhe@usgs.gov> wrote:

Hey Regina and Mike. Just checking in on your status. A quick reply to this email would be great. -Thanks, Bill

--  
William H. Werkheiser  
Deputy Director, U.S. Geological Survey  
12201 Sunrise Valley Drive, MS 100  
Reston, VA 20192  
703-648-7412

## Conversation Contents

PIWSC gage repair needed

### Madison May <mmay@usgs.gov>

---

**From:** Madison May <mmay@usgs.gov>  
**Sent:** Wed Dec 26 2018 17:18:37 GMT-0700 (MST)  
**To:** mpeppler@usgs.gov, astull@usgs.gov, whwerkhe@usgs.gov, santhony@usgs.gov, Brian Loving <bloving@usgs.gov>  
**Subject:** PIWSC gage repair needed

All,

I am emailing on behalf of Brian Loving who is a part time excepted employee but on leave at the moment. We have a streamgage on Maui that is having charging issues as well as cellular network issues. The gage is:

**16604500 Wailuku River at Kepaniwai Park, Maui, HI**

This is a flood warning gage and while the gage is currently still transmitting, the battery conditions do not look promising that it will hold through the forecasted storms/cloudy weather throughout the rest of the week. I am requesting permission to fly to Maui on a single day trip on Friday, December 28 to install a larger battery and replace the cellular dcp with an iridium dcp.

Let me know if you have any questions,

Madison May

Sent from my iPhone

### Marie Peppler <mpeppler@usgs.gov>

---

**From:** Marie Peppler <mpeppler@usgs.gov>  
**Sent:** Wed Dec 26 2018 17:20:14 GMT-0700 (MST)  
**To:** Madison May <mmay@usgs.gov>  
**CC:** astull@usgs.gov, whwerkhe@usgs.gov, santhony@usgs.gov, Brian Loving <bloving@usgs.gov>, William R Guertal <>wguertal@usgs.gov>  
**Subject:** Re: PIWSC gage repair needed

Madison,

Bill Guertal is in charge of gage operations and I have cced him here and also texted him to have him get back to you right away.

Thanks for reaching out!

Marie Peppler

Sent from (571) 419-7524

On Dec 26, 2018, at 6:18 PM, Madison May <mmay@usgs.gov> wrote:

All,

I am emailing on behalf of Brian Loving who is a part time excepted employee but on leave at the moment. We have a streamgage on Maui that is having charging issues as well as cellular network issues. The gage is:

**16604500 Wailuku River at Kepaniwai Park, Maui, HI**

This is a flood warning gage and while the gage is currently still transmitting, the battery conditions do not look promising that it will hold through the forecasted storms/cloudy weather throughout the rest of the week. I am requesting permission to fly to Maui on a single day trip on Friday, December 28 to install a larger battery and replace the cellular dcp with an iridium dcp.

Let me know if you have any questions,

Madison May

Sent from my iPhone

### William Guertal <>wguertal@usgs.gov>

---

**From:** William Guertal <>wguertal@usgs.gov>  
**Sent:** Wed Dec 26 2018 17:30:31 GMT-0700 (MST)  
**To:** Marie Peppler <mpeppler@usgs.gov>  
**CC:** Madison May <mmay@usgs.gov>, astull@usgs.gov, whwerkhe@usgs.gov, santhony@usgs.gov, Brian Loving

**Subject:** <bloving@usgs.gov>  
Re: PIWSC gage repair needed

Assuming this is critical please check with your CD and Regional staff. We are ok with the fix

Sent from my iPhone

On Dec 26, 2018, at 7:20 PM, Marie Peppler <mpeppler@usgs.gov> wrote:

Madison,

Bill Guertal is in charge of gage operations and I have cced him here and also texted him to have him get back to you right away.

Thanks for reaching out!

Marie Peppler

Sent from (571) 419-7524

On Dec 26, 2018, at 6:18 PM, Madison May <mmay@usgs.gov> wrote:

All,

I am emailing on behalf of Brian Loving who is a part time excepted employee but on leave at the moment. We have a streamgage on Maui that is having charging issues as well as cellular network issues. The gage is:  
**16604500 Wailuku River at Kepaniwai Park, Maui, HI**

This is a flood warning gage and while the gage is currently still transmitting, the battery conditions do not look promising that it will hold through the forecasted storms/cloudy weather throughout the rest of the week. I am requesting permission to fly to Maui on a single day trip on Friday, December 28 to install a larger battery and replace the cellular dcp with an iridium dcp.

Let me know if you have any questions,

Madison May

Sent from my iPhone

**Stephen Anthony <santhony@usgs.gov>**

---

**From:** Stephen Anthony <santhony@usgs.gov>  
**Sent:** Wed Dec 26 2018 18:01:41 GMT-0700 (MST)  
**To:** William Guertal <wguertal@usgs.gov>  
**CC:** Marie Peppler <mpeppler@usgs.gov>, Madison May <mmay@usgs.gov>, astull@usgs.gov, whwerkhe@usgs.gov, Brian Loving <bloving@usgs.gov>, mark\_sogge@usgs.gov  
**Subject:** Re: PIWSC gage repair needed

Hi Bill,  
This is a high priority flood-alert gage that needs to be operating. I'm supportive of Madison installing larger battery and replacing cellular DCP to help ensure continuity. I'm cc'ing Mark Sogge.  
Thanks, Steve

Sent from my iPhone

On Dec 26, 2018, at 2:30 PM, William Guertal <wguertal@usgs.gov> wrote:

Assuming this is critical please check with your CD and Regional staff. We are ok with the fix

Sent from my iPhone

On Dec 26, 2018, at 7:20 PM, Marie Peppler <mpeppler@usgs.gov> wrote:

Madison,

Bill Guertal is in charge of gage operations and I have cced him here and also texted him to have him get back to you right away.

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Sent from (571) 419-7524

On Dec 26, 2018, at 6:18 PM, Madison May <mmay@usgs.gov> wrote:

All,

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Let me know if you have any questions,

Madison May

Sent from my iPhone

---

**William Guertal <[wguertal@usgs.gov](mailto:wguertal@usgs.gov)>**

**From:** William Guertal <[wguertal@usgs.gov](mailto:wguertal@usgs.gov)>  
**Sent:** Wed Dec 26 2018 18:31:05 GMT-0700 (MST)  
**To:** Stephen Anthony <[santhony@usgs.gov](mailto:santhony@usgs.gov)>  
**CC:** Marie Peppler <[mpeppler@usgs.gov](mailto:mpeppler@usgs.gov)>, Madison May <[mmay@usgs.gov](mailto:mmay@usgs.gov)>, astull@usgs.gov, whwerkhe@usgs.gov, Brian Loving <[bloving@usgs.gov](mailto:bloving@usgs.gov)>, mark\_sogge@usgs.gov  
**Subject:** Re: PIWSC gage repair needed

Thanks and good luck

Sent from my iPhone

On Dec 26, 2018, at 8:01 PM, Stephen Anthony <[santhony@usgs.gov](mailto:santhony@usgs.gov)> wrote:

Hi Bill,  
This is a high priority flood-alert gage that needs to be operating. I'm supportive of Madison installing larger battery and replacing cellular DCP to help ensure continuity. I'm cc'ing Mark Sogge.  
Thanks, Steve

Sent from my iPhone

On Dec 26, 2018, at 2:30 PM, William Guertal <[wguertal@usgs.gov](mailto:wguertal@usgs.gov)> wrote:

Assuming this is critical please check with your CD and Regional staff. We are ok with the fix

Sent from my iPhone

On Dec 26, 2018, at 7:20 PM, Marie Peppler <[mpeppler@usgs.gov](mailto:mpeppler@usgs.gov)> wrote:

Madison,

Bill Guertal is in charge of gage operations and I have cced him here and also texted him to have him get back to you right away.

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Marie Peppler

Sent from (571) 419-7524

On Dec 26, 2018, at 6:18 PM, Madison May <[mmay@usgs.gov](mailto:mmay@usgs.gov)> wrote:

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Let me know if you have any questions,

Madison May

Sent from my iPhone

## Conversation Contents

Israel Palestine Water workshop excepted activity

"Labson, Victor" <vlabson@usgs.gov>

---

**From:** "Labson, Victor" <vlabson@usgs.gov>  
**Sent:** Tue Dec 25 2018 15:52:45 GMT-0700 (MST)  
**To:** "Tupper, Michael" <mtupper@usgs.gov>, Leon Carl <lcarl@usgs.gov>, Donald Cline <ddcline@usgs.gov>, Mark Bennett <mrbenet@usgs.gov>, William Guertal <wguertal@usgs.gov>, Joyce Williamson <jewillia@usgs.gov>, Verne R Schneider <vrshnei@usgs.gov>, Joshua Valder <jvalder@usgs.gov>, "Robert (Russ) Lotspeich" <rlotspei@usgs.gov>, "John (Jack) Eggleston" <jegglest@usgs.gov>, "Werkheiser, William" <whwerkhe@usgs.gov>, Shari Delung <sdelung@usgs.gov>  
**CC:**  
**Subject:** Israel Palestine Water workshop excepted activity

State Department has named the Israel Palestine water workshop in Cyprus beginning January 7, travel commencing about January 4, as an excepted activity and Bill Werkheiser has agreed for the USGS participants. Verne Scheider, Jack Eggleston, Josh Valder, and Russ Lotspeich are the USGS participants. The exception is necessary for national security considerations and the protection of USGS intellectual property.

The participants may be informed of their excepted status and may participate in the event that the lapse in appropriation is not resolved before the travel is to commence.

Thanks,

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive  
Reston, VA 20192-0002  
Tel: 703-648-6206  
[vlabson@usgs.gov](mailto:vlabson@usgs.gov)

"Delung, Shari" <sdelung@usgs.gov>

---

**From:** "Delung, Shari" <sdelung@usgs.gov>  
**Sent:** Wed Dec 26 2018 08:25:48 GMT-0700 (MST)  
**To:** "Labson, Victor" <vlabson@usgs.gov>  
"Tupper, Michael" <mtupper@usgs.gov>, Leon Carl <lcarl@usgs.gov>, Donald Cline <ddcline@usgs.gov>, Mark Bennett <mrbenet@usgs.gov>, William Guertal <wguertal@usgs.gov>, Joyce Williamson <jewillia@usgs.gov>, Verne R Schneider <vrshnei@usgs.gov>, Joshua Valder <jvalder@usgs.gov>, "Robert (Russ) Lotspeich" <rlotspei@usgs.gov>, "John (Jack) Eggleston" <jegglest@usgs.gov>, "Werkheiser, William" <whwerkhe@usgs.gov>  
**CC:**  
**Subject:** Re: Israel Palestine Water workshop excepted activity

Thanks for the update, Vic. I've added this trip to the special case activities listing.

V/R

Shari

Shari DeLung  
U.S. Geological Survey  
Office of Administration  
703-648-7174  
-----

On Tue, Dec 25, 2018 at 5:53 PM Labson, Victor <[vlabson@usgs.gov](mailto:vlabson@usgs.gov)> wrote:

State Department has named the Israel Palestine water workshop in Cyprus beginning January 7, travel commencing about January 4, as an excepted activity and Bill Werkheiser has agreed for the USGS participants. Verne Scheider, Jack Eggleston, Josh Valder, and Russ Lotspeich are the USGS participants. The exception is necessary for national security considerations and the protection of USGS intellectual property.

The participants may be informed of their excepted status and may participate in the event that the lapse in appropriation is not resolved before the travel is to commence.

Thanks,

Vic

Victor F Labson, PhD  
Director - Office of International Programs  
U.S. Geological Survey  
National Center, MS 917  
12201 Sunrise Valley Drive



Reston, VA 20192-0002  
Tel: 703-648-6206  
viabson@[usgs.gov](mailto:viabson@usgs.gov)

## Energy and Minerals Mission Area Projects impacted by Government Shutdown

| Project                                                                                                                                                                                          | Government Shutdown Impact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mineral Resources Assessment Training; Zientek et al                                                                                                                                             | Project delayed, one in-person training event had to be rescheduled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Synthesis of Tectonic, Magmatic & Metallogenic Evolution of Midcontinent Rift System; Woodruff                                                                                                   | 5 weeks of progress lost to shutdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Multi-scale Screening Techniques for Legacy Mine Land (LML) Sites using data mining and site-specific studies in the western US; Wanty - Manning                                                 | Progress delayed, including the hiring of a graduate student                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Uranium Assessment Group; Hall & Walton-Day                                                                                                                                                      | Employees struggling to accomplish work due to time lost during the shutdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Lithium from Source to Sink: Genesis and Evolution of Li Brines and Clays; Stillings, Hofstra, Mihalasky                                                                                         | Productivity impacted because of lost momentum during shutdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Lithium clays as a source of Lithium and a buffer for Lithium concentration in brines—proved understanding for better deposit models and exploration tools; Stillings                            | Project lost a month of time to government shutdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ASC MR Database and Information Analysis, Alaska; Shew                                                                                                                                           | Loss of time due to furlough                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| REE resources in the southeast Mojave Desert, California; Ponce                                                                                                                                  | 35 day government shutdown was a major impact to the project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application of plasma ionization isotope ratio mass spectrometry and U-Pb geochronology to collaborative studies of ore minerals and ore-forming processes; Pietruzka et al                      | Government shutdown cited as an obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sediment-hosted copper deposits in the Lake Superior portion of the Midcontinent Rift System; Hayes & Mauk                                                                                       | 35 day government shutdown cited as an obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Spectroscopy and Hyperspectral Imaging of Critical Mineral Resources; Kokaly & Swayze                                                                                                            | Lithium clay research was not conducted due to time lost to task 2 because of the furlough                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Petrology, tectonic setting, and potential for concentration of REE and HFSE in the high-K Darby and Kachauik plutons, Seward Peninsula, Alaska; Karl & Kreiner                                  | Furlough cited as an obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| GIS prospectivity analysis for critical minerals in ore-forming systems in Alaska; Karl & Case                                                                                                   | Furlough cited as an obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Alaska Earth Mapping Resources Initiative Scoping Project; Jones & Kreiner                                                                                                                       | Thirty-five day government shutdown and furlough created unanticipated challenges and delays in other essential and timely MRP research activities. As a result, the white paper we intended to produce as part of this project is no longer a priority for this year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tectonic and metallogenic evolution of the eastern Yukon-Tanana upland, Alaska; Jones, Graham, Kreiner                                                                                           | Thirty-five day government shutdown and furlough cited as obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| GGGSC-GIS Data Management and Information Analysis; M. Johnson                                                                                                                                   | The month plus furlough cut into progress across all project making it more difficult to meet deadlines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| New Applications of Hyperspectral Imaging to Delineate Critical Minerals Concentrated in Regolith and Mine Waste Materials; Hubbard                                                              | For this quarter of FY19, the biggest obstacle to progress was the month-long government shutdown and associated month-long period of recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Yellowstone National Park Integrated Studies; Holloway                                                                                                                                           | "...moderate timeline delays due to the 5-week furlough."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Salmon River Mountains Legacy Mining Studies; Holloway                                                                                                                                           | This project has been delayed in its start by the 5-week lapse of funding and subsequent prioritization of other projects for staff.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Systems approach to critical minerals inventory, research, and assessments; Hofstra & Vikre                                                                                                      | The delayed activation of the project for more than 3 months made it impossible for staff to charge salary until after the Shutdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| USGS MRP-based Probabilistic Quantitative Mineral Resource Assessment of U.S. Territories of the Caribbean Basin Archipelago including Puerto Rico, U.S. Virgin Islands and Adjacent Areas; Gray | Obviously, the recent furlough greatly affected our ability to plan and disrupted our deposit assessment exercise schedule altogether.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Update of North American airborne radiometric survey data using advanced statistical techniques and parallel computing; Goldman                                                                  | The furlough prevented progress for over a month, and additional time post-furlough was needed to get back up to speed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Biological Technologies for Sustainable Mining; Foster                                                                                                                                           | Partial government shutdown cited as an obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Volcanic-related beryllium deposits of the US: Geologic setting, genesis, and potential for recovery of by-product critical minerals (Li, REE, and F); Foley                                     | Government shutdown cited as an obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CMERC Argon Geochronology; Cosca & Morgan                                                                                                                                                        | Government shutdown cited as an obstacle to progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Processes Controlling Fate and Transport of Metals Associated with Legacy Mining; Campbell                                                                                                       | The government shutdown impeded our progress substantially. The impact was longer than the 5-week duration of the shutdown, as we had to restart our labs and identify real costs (time, scope of work) of the shutdown.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concealed REE terranes in the southern Basin and Range geologic province; Bultman                                                                                                                | Given a combination of the shutdown and health issues with project staff we are behind where we had hoped to be.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Quality Management System Implementation                                                                                                                                                         | Significant impacts to MRP implementation timeline; QMS implementation efforts in laboratories were delayed, as labs needed time to get back to operational before continuing QMS implementation efforts; Missed deadlines for document control and internal pre-audits; Loss of momentum in implementation and SOP review; QMS staff provided refresher training sessions to ensure QMS concepts were retained following the 5 week furlough; Balance and pipette calibrations were missed; Weight certifications missed; Corrective action closures were delayed; Data, logbook and scientific notebook reviews delayed; The number of early ERP internal audits was reduced; Contractor visit to repair microscope in EERSC delayed which resulted in delays in data delivery; Readiness reviews were shortened in the laboratory; |