

NTHMP Coordinating Committee Meeting Minutes

January 26, 2021

3:00pm EST

Roll Call:

Alaska

Mr. James Benzschawel, Alaska Division of Emergency Management, Anchorage, AK
Dr. Dmitry Nicolsky, University of Alaska, Fairbanks, AK

American Samoa

Mr. Meauta Mageo, American Samoa Dept of Homeland Security, Pago Pago, AS
Ms. Elinor Lutu-McMoore¹, American Samoa WSO, Pago Pago, American Samoa

California

Ms. Yvette LaDuke, California Office of Emergency Services, Valencia, CA
Mr. Todd Becker, California Office of Emergency Services, Eureka, CA
Mr. Rick Wilson, California Geological Survey, Sacramento, CA

Commonwealth of Northern Mariana Islands

No Representative

East Coast States

Dr. Jim Kirby, University of Delaware, Newark, DE
Mr. Ed Fratto, Northeast States Earthquake Consortium, Wakefield, MA

Guam

Mr. Leo Espia, Guam Department of Homeland Security and Emergency Management, Agana Heights, GU

Gulf Coast States

No Representative

Hawaii

Dr. Kwok Fai Cheung, University of Hawaii, Honolulu, HI
Mr. Kevin Richards, Hawaii Emergency Management Agency, Honolulu, HI

Oregon

Dr. Jonathan Allan, Oregon Department of Geology and Mineral Industries, Portland, OR
Dr. Althea Rizzo, Oregon Emergency Management Agency, Salem, OR

Puerto Rico

Dr. Victor Huerfano, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR
Rico Dr. Liz Vanacore³, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR

U.S. Virgin Islands

Roy Watlington, Scientist Emeritus, St. Thomas, VI
Regina Browne, Virgin Islands Territorial EMA, St. Croix, VI

Washington

Mr. Jacob Witcraft, Washington Emergency Mgmt Division, Camp Murray, WA
Mr. Maximilian Dixon, Washington Emergency Mgmt Division, Camp Murray, WA

Mr. Daniel Eungard, Washington Department of Natural Resources, Olympia, WA
Ms. Elyssa Tappero, Washington Emergency Mgmt Division, Camp Murray, WA

NOAA

Mr. Mike Angove⁵, Tsunami Program, NOAA/NWS Headquarters, Silver Spring, MD (Acting Chair)
Ms. Marie Eblé¹, NOAA Pacific Marine Environmental Lab, Seattle, WA
Mr. Ian Sears⁵, NOAA/National Weather Service HQ, Silver Spring, MD
Mr. Lewis Kozlosky⁴, NOAA/National Weather Service HQ, Silver Spring, MD
Ms. Christa von Hillebrandt, NOAA/NWS Caribbean Tsunami Warning Pgm, Mayagüez, PR
Dr. Diego Arcas, NOAA PMEL, Seattle, WA
Dr. Chip McCreery, PTWC Director, Honolulu, HI
Dr. James Gridley, NTWC Director, Palmer, AK
Mr. Dave Snider, NTWC Tsunami Warning Coordinator, Palmer, AK
Ms. Kelly Stroker, NCEI, Boulder, CO

FEMA

Ms. Amanda Siok, FEMA Region X, Lynnwood, WA
Mr. Mike Mahoney, FEMA Headquarters, Washington, DC

USGS

Ms. Stephanie Ross, U.S. Geological Survey, Moffett Field, CA
Dr. Nate Wood, U.S. Geological Survey, Portland, OR

36 present, 10 state votes (min 7); 7 Fed votes (min 4). Quorum requirement met.

¹Coord. Comm member, NOAA employee, non-voting ² Guest, one-time, non-voting
³Alternate for primary CC member (guest) ⁴ Regular guest, non-voting status
⁵Ex-officio, non-voting member

1. Roll Call: NTHMP Administrator

[Quorum met](#)

2. Welcome and call meeting to order: Mike Angove / Delegated from Chair, Grant Cooper

[Meeting called to order – 3:01pm EST](#)

3. [VOTE] Approval of Coordinating Committee Minutes from Nov 17, 2020.

[Minutes](#) - Call for approval: Mike Angove – Approved

4. [DISCUSSION] FY21 NTHMP Grants program reviews.

[Thank you to those that have already had an opportunity to share with us the status of your Grant funded programs. The program reviews are going very well.](#)

[We are excited to hear from all of you.](#)

[Any reshuffling of travel funds, please work with Ian and Lewis for assistance.](#)

5. [DISCUSSION] FY21 in-person meetings. Mike Angove

For Calendar Year 2021, we are not anticipating any in-person meetings. We would like to make a final decision soon and communicate that with you ASAP. In the event NTHMP grant-funded travel does not occur this year, please work with Ian and Lewis to find appropriate activities those funds could support.

Additionally, I would like to lean forward and plan our next in-person meeting for January 2022. Ian will lead that effort.

Yvette: should the hotel reservation be canceled? Ian: Will touch base again to verify.

6. MES update – MES Co-chair

[Link to MES notes](#)

7. MRPWG update – MRPWG Co-chair

[Link to MRPWG notes](#)

8. MMS update – MMS Co-chair

[Link to MMS notes](#)

9. WCS update – WCS Co-chair

[Link to WCS notes](#)

10. Old Business

NA

11. New Business

Dmitry Nicolsky: Covid travel restrictions - wants to give virtual presentations, but has limited connectivity. Preloaded laptop - one-time exception? Guidance is no, but perhaps some creative ways to address.

Rick Wilson: Any Federal information on what they're doing to commemorate Tohoku?
Ian Sears will coordinate - "what's been done in last 10 years"

Yvette LaDuke: CA looking at putting hosting of the NTHMP in January in their grant.

Ian Sears and Mike Angove not opposed. Need to figure out how to handle subcommittee changes. Will provide guidance.

Stephanie Ross: Cascadia workshop is in early Jan.

12. Adjourn 4:17pm

NTHMP Coordinating Committee Meeting Minutes

July 29, 2021

4:00pm EST

1. Roll Call:

Alaska

Dr. Dmitry Nicolsky, University of Alaska, Fairbanks, AK

American Samoa

Mr. Meauta Mageo, American Samoa Dept of Homeland Security, Pago Pago, AS

California

Ms. Yvette LaDuke, California Office of Emergency Services, Valencia, CA

Mr. Todd Becker, California Office of Emergency Services, Eureka, CA

Mr. Rick Wilson, California Geological Survey, Sacramento, CA

Commonwealth of Northern Mariana Islands

Mr. TJ DLC. Manglona, CNMI Homeland Security & Emergency Management, CNMI

East Coast States

Mr. Ed Fratto, Northeast States Earthquake Consortium, Wakefield, MA

Dr. Stephen Grilli, University of Rhode Island, Kingston, RI

Guam

Mr. Leo Espia, Guam Department of Homeland Security and Emergency Management, Agana Heights, GU

Mr. Chip Guard, Guam

Gulf Coast States

Dr. Juan Horrillo, Texas A&M University at Galveston, Galveston, TX

Hawaii

Dr. Kwok Fai Cheung, University of Hawaii, Honolulu, HI

Ms. Julie Fujimoto, Hawaii Emergency Management Agency, Honolulu, HI

Oregon

Dr. Jonathan Allan, Oregon Department of Geology and Mineral Industries, Portland, OR

Puerto Rico

Dr. Victor Huerfano, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR

U.S. Virgin Islands

Dr. Roy Watlington, Scientist Emeritus, St. Thomas, VI

Washington

Mr. Maximilian Dixon, Washington Emergency Mgmt Division, Camp Murray, WA

Ms. Elyssa Tappero, Washington Emergency Mgmt Division, Camp Murray, WA

NOAA

Dr. Grant Cooper, NWS Western Region Director, Salt Lake City, UT

Mr. Ian Sears, NOAA/National Weather Service HQ, Silver Spring, MD

Dr. Diego Arcas, NOAA PMEL, Seattle, WA

Dr. Chip McCreery, PTWC Director, Honolulu, HI

Dr. James Gridley, NTWC Director, Palmer, AK

Dr. Summer Ohlendorf, NTWC Science Officer, Palmer, AK

Dr. Laura Kong, International Tsunami Information Center, Honolulu, HI

Ms. Carolina Hincapie-Cardenas, ITIC, Honolulu, HI
Mr. Dave Snider, NTWC Tsunami Warning Coordinator, Palmer, AK

FEMA

Mr. Mike Mahoney, FEMA Headquarters, Washington, DC

USGS

Ms. Stephanie Ross, U.S. Geological Survey, Moffett Field, CA
Dr. Nate Wood, U.S. Geological Survey, Portland, OR

30 present, 12 state votes (min 7); 5 Fed votes (min 4). Quorum requirement met.

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³Alternate for primary CC member (guest) ⁴ Regular guest, non-voting status
⁵Ex-officio, non-voting member

Quorum met

2. Welcome and call the meeting to order: Grant Cooper 4:03
3. [VOTE] Approval of Coordinating Committee Minutes from May 27, 2021.

Minutes ([link](#)) - Call for approval: NTHMP Chair called for approval of the minutes from May 27, 2021. With no dissention, the minutes were approved.
4. [VOTE] Approval of MMS Terms of Reference:

NTHMP Chair opened discussion on the MMS Terms of Reference. Dr. Allan described the differences in the Terms of Reference. NTHMP Chair called for approval of the MMS Terms of Reference. With no dissention, the MMS Terms of Reference were approved.
5. [DISCUSSION] FY21 NTHMP Grants progress. NTHMP Administrator

[All FY21 grants were submitted on time - and are on target to award on time.](#)
6. [DISCUSSION] FY21 in-person meetings. NTHMP Administrator

[Though NOAA has not opened up travel, we will be leaning forward to hold in person meetings in January in Portland.](#)

[Ian Sears will be working with Jon Allen on logistics.](#)

[Please reach out to Ian with any suggestions on the agenda.](#)

[Jon Allan, Maximilian Dixon, and Dave Snider will form the planning team.](#)
7. MES update – MES Co-chair

[MES Brief for July 29, 2021 CC Meeting](#)

TsunamiZone:

 - MES partners are meeting to discuss updates to TsunamiZone for translations and registration information and ways to support TsunamiReady communities.

- MES continues to work to update and improve the availability of information on TsunamiZone across the partner regions and use TsunamiZone for tracking Tsunami Week participation annually.

Hazard Simplification:

- MES will discuss the Hazard Simplification survey distributed by the WCS and get some additional input from MES to provide to MES for developing the comments paper for NOAA.
- MES discussion topic at the next meeting will also include the development of questions to inform an additional survey or discussion points for partners to use with local partners, to begin the process of engaging the local stakeholders and getting feedback regarding the proposed changes to Tsunami Messaging.

Maritime Website:

- California previously worked with the NTHMP partners for input on a website that acts as a Clearing House of Tsunami Maritime Related Resources.
- CA is finalizing the process of moving the website material to a new platform that will improve sharing and updating capabilities.

TsunamiReady

- The MES workplan had paired down the TsunamiReady activity to primarily focus on increasing the number of Tier 2 communities.
- There is discussion regarding not limiting the work plan to a TsunamiReady Tier 2 focus as continued efforts need to be sustained for TsunamiReady renewals and new communities as well as TsunamiReady Supporter.

8. MRPWG update – MRPWG Co-chair

1. No meeting - but work is being done.
2. Harbor improvement reports

9. MMS update – MMS Co-chair

Summer Ohlendorf update on the event

Washington - great job, very smooth.

California - question - concerns with timing to upgrade to Advisory (if required) for Crescent City.

Any way to get more of a guess as to what the impact will be earlier?

Confusion with public information statement –

Yvette LaDuke: Confusion over different titles of tsunami messages.

Yvette LaDuke: Use of the term “evaluating” instead of issuing a “Watch”. We have no idea what “evaluating” means as it is not a part of the NTWC response protocols that we are aware of. If it is now, then this is a change that we are not aware of, and have not been included in a discussion with the NTWC to fully understand why this is being used now instead of issuing a “Watch”; especially since the PTWC did it with no problem for Hawaii and was then able to cancel it when no threat was determined.

Dmitry - gaps in water level gauges specially near Chignik

[May 27 minutes link](#)

Rick Wilson to present on TSTAP next CC meeting.

10. WCS update – WCS Co-chair

1. June 14 meeting - tsunami advisory to tsunami warning
2. Hazard simplification process
 1. Putting a comprehensive document with feedback we have received.
 2. Capture NTHMP partners as we can in this effort.
 3. Putting together a paper - NOAA is implementing this change, process of implementing change, this passes down to the local level. What does the time line look like for changes to plans protocols procedures, materials, signage, etc. Keeping in mind no guarantee of funding - if you need to make this change, what does it look like?
3. Timeline - all of the feedback by mid-September

11. Old Business

12. New Business

[Sears - Reminder USGS partner call Aug 5 at 4pm EDT.](#)

[Sears - Next meeting - we'll get a briefing on Cascadia Rising from FEMA.](#)

[NOAA approved in person travel.](#)

[AMS Jan 23-27](#)

[Powell Center Jan 10-14](#)

13. Adjourn 451 pm

NTHMP Coordinating Committee Meeting Minutes

March 30, 2021

3:00pm EST

1. Roll Call:

Alaska

Mr. James Benzschawel, Alaska Division of Emergency Management, Anchorage, AK
Dr. Dmitry Nicolosky, University of Alaska, Fairbanks, AK

American Samoa

Ms. Elinor Lutu-McMoore¹, American Samoa WSO, Pago Pago, American Samoa

California

Ms. Yvette LaDuke, California Office of Emergency Services, Valencia, CA
Mr. Todd Becker, California Office of Emergency Services, Eureka, CA
Mr. Rick Wilson, California Geological Survey, Sacramento, CA

Commonwealth of Northern Mariana Islands

Mr. TJ DLC. Manglona, CNMI Homeland Security & Emergency Management, CNMI

East Coast States

Dr. Jim Kirby, University of Delaware, Newark, DE
Mr. Ed Fratto, Northeast States Earthquake Consortium, Wakefield, MA

Guam

Mr. Leo Espia, Guam Department of Homeland Security and Emergency Management, Agana Heights, GU

Gulf Coast States

Dr. Juan Horrillo, Texas A&M University at Galveston, Galveston, TX

Hawaii

No Representatives

Oregon

Dr. Jonathan Allan, Oregon Department of Geology and Mineral Industries, Portland, OR
Dr. Althea Rizzo, Oregon Emergency Management Agency, Salem, OR

Puerto Rico

Dr. Victor Huerfano, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR
Wildaomaris Gonzalez, Puerto Rico Emergency Management, San Juan, PR

U.S. Virgin Islands

Roy Watlington, Scientist Emeritus, St. Thomas, VI
Regina Browne, Virgin Islands Territorial EMA, St. Croix, VI
Tenisha Riddick, Virgin Islands Territorial EMA, St. Croix, VI

Washington

Ms. Corina Allen, Washington Geological Survey, Olympia, WA
Mr. Maximilian Dixon, Washington Emergency Mgmt Division, Camp Murray, WA
Mr. Daniel Eungard, Washington Department of Natural Resources, Olympia, WA
Ms. Elyssa Tappero, Washington Emergency Mgmt Division, Camp Murray, WA

NOAA

Dr. Grant Cooper, NWS Western Region Director, Salt Lake City, UT
Mr. Mike Angove⁵, Tsunami Program, NOAA/NWS Headquarters, Silver Spring, MD

Ms. Marie Eblé¹, NOAA Pacific Marine Environmental Lab, Seattle, WA
Mr. Ian Sears⁵, NOAA/National Weather Service HQ, Silver Spring, MD
Mr. Lewis Kozlosky⁴, NOAA/National Weather Service HQ, Silver Spring, MD
Ms. Christa von Hillebrandt, NOAA/NWS Caribbean Tsunami Warning Pgm, Mayagüez, PR
Dr. Diego Arcas, NOAA PMEL, Seattle, WA
Dr. Chip McCreery, PTWC Director, Honolulu, HI
Dr. James Gridley, NTWC Director, Palmer, AK
Dr. Laura Kong, International Tsunami Information Center, Honolulu, HI
Mr. Dave Snider, NTWC Tsunami Warning Coordinator, Palmer, AK
Ms. Kelly Stroker, NCEI, Boulder, CO

FEMA

Ms. Amanda Siok, FEMA Region X, Lynnwood, WA
Mr. Mike Mahoney, FEMA Headquarters, Washington, DC

USGS

Ms. Stephanie Ross, U.S. Geological Survey, Moffett Field, CA
Dr. Nate Wood, U.S. Geological Survey, Portland, OR

37 present, 11 state votes (min 7); 7 Fed votes (min 4). Quorum requirement met.

¹Coord. Comm member, NOAA employee, non-voting ² Guest, one-time, non-voting
³Alternate for primary CC member (guest) ⁴ Regular guest, non-voting status
⁵Ex-officio, non-voting member

Quorum met

2. Welcome and call meeting to order: Mike Angove / Delegated from Chair, Grant Cooper

Meeting called to order – 3:01pm EST

3. [VOTE] Approval of Coordinating Committee Minutes from Jan 26, 2021.

[Minutes](#) - Call for approval: Grant Cooper - Approved

4. [DISCUSSION] FY21 NTHMP Grants progress. NTHMP Administrator

The Federal Review Panel is in the process of reviewing all of the pre-applications. We're a little behind our self-imposed deadline, but well ahead of NOAA Grants Management deadlines.

The Federal Review Panel may have questions, please make every effort to respond as quickly as possible.

The plan is to have that review done by the end of this week and we'll brief Dr. Cooper shortly thereafter.

From there, we make a recommendation to NWS Leadership.

5. [DISCUSSION] No Cost Extensions - NTHMP Administrator

We recognize these are challenging times. We have a total of 34 open grants right now. We cannot sustain this pace. We ask that you do everything possible to close out all previous year's grants by 31 August 2021 - as continued No Cost Extensions are not guaranteed. We also would like to limit No Cost extensions for FY20 grants - however, if you feel like you will be requesting them, please let us know your intent by April 30. All Award Action Requests must be approved by the NWS Tsunami Program Office in GrantsOnLine by July 30th. All states/territories should have their Award Action Requests in GrantsOnLine by June 15. Lewis and I will need time to review the requests prior to making the request in GrantsOnLine. Please have all requests to me and Lewis by May 14.

Yvette LaDuke: Any discussion of lengthening the grant cycle to two years like what was done before?

A: That was tried a couple years ago, and it did not work out well, so we went back to the 1-year cycle.

6. [DISCUSSION] FY21 in-person meetings. NTHMP Administrator

There will be no in-person NTHMP meetings for FY21.

We are looking to host the Winter meetings in Sacramento - we are still working on the details.

Yvette LaDuke: most hotels are booked, therefore maybe the meeting should be delayed or held in another location.

Grant: AMS is in January. Christa: other meetings are in the second and third week of Feb.

Ian Sears: need to work around all other meetings like Primo. Yvette: could try other cities if in early Jan.

Stephanie Ross: Powell center is Jan 10-14.

We need a location for the summer 2022 meeting - any volunteer hosts?

Yvette LaDuke: Sacramento may work well in the summer. Jon: maybe SLC for summer meeting? Grant Cooper: It can be expensive with limited Gov Rates. Jon will look into Portland for the winter meeting. AK in winter? It's possible. Crescent City is also possible.

7. [DISCUSSION] - NWS Decision on HazSimp - NTHMP Administrator

The NWS will be implementing changes to its hazard messaging headlines no earlier than calendar year 2024. This decision is based on results of extensive social science research with partners and the public, which documented significant confusion with current NWS headline terms. This research indicated that NWS' "Advisory" headlines are responsible for a major portion of the confusion. This is because the Advisory term itself is misunderstood and its meaning is often conflated with that of "Watch." Such confusion can lead to a misunderstanding of forecast severity and certainty with respect to significant weather and water hazards. This, in turn, can adversely impact user preparation for (and response to) these hazards. The major changes are as follows: - All "Advisory" headlines within what is currently the NWS Watch, Warning and Advisory system will be discontinued. Most of the current Advisory headlines will be replaced with plain language headlines that clearly articulate the nature of the hazard. However, these messages will still be equipped with computer-readable Valid Time Event Code (VTEC) as they are today. - Exceptions to the transition to plain language will apply to Tsunami and Small Craft Advisories. These Advisories will be elevated to the Warning level due to the life-threatening conditions associated with these hazards. The exact title of the Warning for what is now a Tsunami Advisory is to be determined.

The NWS Tsunami Program will work closely with the WCS/ITIC/CTWP/NTWC/PTWC/NWS Regions to determine the title of the Warning and the Language used.

I will be leading the effort for the NWS Tsunami Program. My goal is to get it right and I will be engaged in the process.

I do not yet know what the process will look like, but once I do, I will be sure to keep you all informed.

Althea Rizzo: will take time for states and territories to educate the public, which will take time. Need to start working with locals sooner than later. Grant: agrees that we need to get the education process started. Maximilian: lots of things will need to be changed, and it will be helpful to have as much info as possible early on. Tsunami is one of two products that will be changed to warnings, possible more lead time, but will need to stay ahead of the effort.

Yvette LaDuke: Will put together a survey to gather input from NTHMP. Chat will be saved from this meeting for ideas.

8. MES update – MES Co-chair

[MES Minutes](#)

9. MRPWG update – MRPWG Co-chair

Little progress:

Many states have been working with Tsu preparedness and Tohoku remembrance.

Were able to submit a task supported by MMS / tsunami debris –

Also see marinedebris.noaa.gov

10. MMS update – MMS Co-chair

[MMS Minutes](#)

11. WCS update – WCS Co-chair

Reviewing protocol and response process

12. Old Business

NONE

13. New Business

MMS - new co-chair Summer Ohlendorf. Vote taken and all approved. Thanks to Marie for filling the position.

Maximilian Dixon: Was not apprised of DART buoy outage for a number of days. Wondering if there's a process for notifying partners.

Dave Snider: Need to make sure info is accurate before sharing, needed to coordinate with HQ. Maximilian Dixon: Would like to see an established communication process for these situations.

Dave shared his email for future coordination, and will ensure the right people are reached.

Chip McCreery: TWCs can still function without DARTs.

James Gridley: Asking operational personnel to provide additional tasks is not optimal, but it should be ok to look into improving the notification process.

Marie Eble: How does DART outages affect states directly?

Maximilian: It might be an issue with distant sources. Would be good to be apprised of potential issues in case there's an event.

14. Adjourn

4:10pm EDT

NTHMP Coordinating Committee Meeting Minutes

May 27, 2021

3:00pm EST

1. Roll Call:

Alaska

Mr. James Benzschawel, Alaska Division of Emergency Management, Anchorage, AK
Dr. Dmitry Nicolosky, University of Alaska, Fairbanks, AK

American Samoa

No Representative

California

Ms. Yvette LaDuke, California Office of Emergency Services, Valencia, CA
Mr. Todd Becker, California Office of Emergency Services, Eureka, CA
Mr. Rick Wilson, California Geological Survey, Sacramento, CA

Commonwealth of Northern Mariana Islands

Mr. TJ DLC. Manglona, CNMI Homeland Security & Emergency Management, CNMI

East Coast States

Dr. Jim Kirby, University of Delaware, Newark, DE
Mr. Ed Fratto, Northeast States Earthquake Consortium, Wakefield, MA

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Mr. Leo Espia, Guam Department of Homeland Security and Emergency Management, Agana Heights, GU

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Dr. Juan Horrillo, Texas A&M University at Galveston, Galveston, TX

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Dr. Kwok Fai Cheung, University of Hawaii, Honolulu, HI
Ms. Julie Fujimoto, Hawaii Emergency Management Agency, Honolulu, HI

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Dr. Althea Rizzo, Oregon Emergency Management Agency, Salem, OR

Puerto Rico

Dr. Victor Huerfano, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR

U.S. Virgin Islands

Roy Watlington, Scientist Emeritus, St. Thomas, VI

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Ms. Corina Allen, Washington Geological Survey, Olympia, WA
Mr. Maximilian Dixon, Washington Emergency Mgmt Division, Camp Murray, WA
Mr. Daniel Eungard, Washington Department of Natural Resources, Olympia, WA
Ms. Elyssa Tappero, Washington Emergency Mgmt Division, Camp Murray, WA

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Mr. Mike Angove⁵, Tsunami Program, NOAA/NWS Headquarters, Silver Spring, MD
Ms. Marie Eblé¹, NOAA Pacific Marine Environmental Lab, Seattle, WA
Mr. Ian Sears⁵, NOAA/National Weather Service HQ, Silver Spring, MD

Mr. Lewis Kozlosky⁴, NOAA/National Weather Service HQ, Silver Spring, MD
Ms. Christa von Hillebrandt, NOAA/NWS Caribbean Tsunami Warning Pgm, Mayagüez, PR
Dr. Diego Arcas, NOAA PMEL, Seattle, WA
Dr. Chip McCreery, PTWC Director, Honolulu, HI
Dr. James Gridley, NTWC Director, Palmer, AK
Dr. Laura Kong, International Tsunami Information Center, Honolulu, HI
Mr. Dave Snider, NTWC Tsunami Warning Coordinator, Palmer, AK
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USGS

Ms. Stephanie Ross, U.S. Geological Survey, Moffett Field, CA
Dr. Nate Wood, U.S. Geological Survey, Portland, OR

36 present, 11 state votes (min 7); 7 Fed votes (min 4). Quorum requirement met.

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⁵Ex-officio, non-voting member

Quorum met

Ian Sears introduces Julie Fujimoto – Hawaii interim representative

2. Welcome and call meeting to order: Chair, Grant Cooper

Meeting called to order – 3:01pm EST

3. [VOTE] Approval of Coordinating Committee Minutes from Mar 30, 2021.

[Minutes](#) - Call for approval: Grant Cooper - Approved

4. [DISCUSSION] FY21 NTHMP Grants progress. NTHMP Administrator

We ask all applications be submitted via [grants.gov](https://www.grants.gov) no later than May 26, 2021. This will help ensure on time processing of all applications

5. [DISCUSSION] No Cost Extensions - NTHMP Administrator

We ask all no cost extension requests to Lewis Kozlosky and Ian Sears ASAP.

6. [DISCUSSION] FY21 in-person meetings. NTHMP Administrator

Planning Portland Oregon for the Winter Meeting – Likely at the Double Tree Hotel.

Planning Sacramento, CA for the Summer Meeting.

Details – TBD

7. MES update – MES Co-chair

[MES notes](#)

8. MRPWG update – MRPWG Co-chair

4 main tasks - no meetings:

1. Mitigation and recovery guidance - CA continuing to work on web page. EM division in WA working Port of Bellingham and will be working on SW Washington next - that content can help inform.
2. Tsunami debris - Dan Cox presented yesterday about tsunami debris modeling and funding proposal on debris workshop.
3. Create guidelines for probabilistic products - different workshops to leverage resources.
4. Mitigation and recovery funding sources - FEMA reporting the Biden Administration is putting 1B in a grant program - states , tribes, etc., can apply for this funding through that source (BRIC).

9. MMS update – MMS Co-chair

[MMS minutes](#)

10. WCS update – WCS Co-chair

[WCS minutes](#)

11. Old Business

NONE

12. New Business

Congratulations Marie Eble on your retirement! – 34 years

Officially it will be 34 years. Her entire federal career has been with NOAA. Much of Marie’s time was devoted to data: identifying tsunamis in BPR data during the early (mid 1980's -early 1990's), analyzing tsunami events and tides, worked closely with the engineering group at PMEL in lab and at sea in early years of BPR sensing, and then during development of DART technology.

13. Adjourn

4:17pm EDT

NTHMP Coordinating Committee Meeting Minutes

Nov 18, 2021

4:00pm EST

1. Roll Call:

Alaska

Dr. Dmitry Nicolsky, University of Alaska, Fairbanks, AK

American Samoa

Mr. Meauta Mageo, American Samoa Dept of Homeland Security, Pago Pago, AS
Ms. Elinor Lutu-McMoore¹, American Samoa WSO, Pago Pago, American Samoa

California

Ms. Yvette LaDuke, California Office of Emergency Services, Valencia, CA
Mr. Todd Becker, California Office of Emergency Services, Eureka, CA
Mr. Rick Wilson, California Geological Survey, Sacramento, CA

Commonwealth of Northern Mariana Islands

Mr. Mario Kaipat, CNMI Homeland Security & Emergency Management, CNMI

East Coast States

Mr. Ed Fratto, Northeast States Earthquake Consortium, Wakefield, MA
Dr. Stephen Grilli, University of Rhode Island, Kingston, RI

Guam

Mr. Leo Espia, Guam Department of Homeland Security and Emergency Management,
Agana Heights, GU
Mr. Chip Guard, Guam

Gulf Coast States

Dr. Juan Horrillo, Texas A&M University at Galveston, Galveston, TX

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Ms. Julie Fujimoto, Hawaii Emergency Management Agency, Honolulu, HI

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Dr. Althea Rizzo, Oregon Emergency Management Agency, Salem, OR

Puerto Rico

Dr. Victor Huerfano, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR

U.S. Virgin Islands

Ms. Regina Browne, Virgin Islands Territorial EMA, St. Croix, VI
Dr. Roy Watlington, Scientist Emeritus, St. Thomas, VI

Washington

Mr. Maximilian Dixon, Washington Emergency Mgmt Division, Camp Murray, WA
Ms. Elyssa Tappero, Washington Emergency Mgmt Division, Camp Murray, WA
Ms. Corina Allen, Washington Geological Survey, Olympia, WA

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Dr. Summer Ohlendorf, NTWC Science Officer, Palmer, AK
Dr. Laura Kong, International Tsunami Information Center, Honolulu, HI
Ms. Christa von Hillebrandt, ITIC Caribbean Office, Mayagüez, PR
Mr. Dave Snider, NTWC Tsunami Warning Coordinator, Palmer, AK
Ms. Kelly Stroker, NCEI, Boulder, CO
Dr. Chip McCreery, PTWC Director, Honolulu, HI

FEMA

Mr. Mike Mahoney, FEMA Headquarters, Washington, DC
Ms. Tamra Biasco, FEMA Region X, Lynnwood, WA

USGS

Ms. Stephanie Ross, U.S. Geological Survey, Moffett Field, CA
Dr. Nate Wood, U.S. Geological Survey, Portland, OR

Invited Guests

Mr. Rocky Lopes, co-chair TSTAP

38 present, 12 state votes (min 7); 6 Fed votes (min 4). Quorum requirement met.

¹Coord. Comm member, NOAA employee, non-voting, ² Guest, one-time, non-voting,
³Alternate for primary CC member (guest), ⁴ Regular guest, non-voting status, ⁵Ex-officio, non-voting member

1. Roll Call: NTHMP Administrator

[Quorum met](#)

2. Welcome and call the meeting to order: Grant Cooper

[4:01 call meeting to order](#)

3. [VOTE] Approval of Coordinating Committee Minutes from July 23, 2021.
[Minutes](#) - Call for approval: Grant Cooper
[With no dissension, the minutes were approved.](#)
4. TSTAP brief - Rick Wilson/Rocky Lopes
[Rocky Lopes and Rick Wilson briefed the Coordinating Committee on the TSTAP process, recommendations, and future of the Panel.](#)
[The TSTAP will brief recommendations to the SAB on Dec 8](#)
[Here is a link to register for the meeting:](#)
<https://register.gotowebinar.com/register/9168157180427451149> Info about the meeting agenda: <https://sab.noaa.gov/index.php/sab-meetings/meeting-agenda/>
5. [VOTE] - Alex Dolcimascolo was nominated and approved by the MMS for co-chair. Call for approval by the CC - Grant Cooper
[With no dissension, Alex Dolcimascolo's nomination was approved.](#)
6. [DISCUSSION] CVV follow up - NTHMP Administrator
[Will ensure discussion of currents is in the document](#)
[Will look to add science links to the document](#)
[Will look to ensure science documents are on the NTHMP website](#)
7. [DISCUSSION] FY21 in-person meetings. NTHMP Administrator
[The preliminary agenda is linked.](#)
[Feb 01 - Feb 04](#)
[Hotel logistics to come as they become available - working on room block](#)
[Would like Subcommittee agendas so we can post.](#)
[Ian is working on the Tsunami Ready and Tsunami Warning Workshop agendas](#)
8. Grants update - NTHMP Administrator
[Ian will schedule virtual program reviews soon](#)
9. MES update – MES Co-chair
[MES meeting minutes here.](#)
10. MRPWG update – MRPWG Co-chair

For our **maritime mitigation and recovery guidance task**, we feel we have completed our work here, contributing what we thought was relevant to the Maritime Guidance website put together by CA. Having said that, as new products and guidance is

developed, we will submit updates on mitigation and recovery to Todd Becker at Cal OES to include in the website.

We also have a task **to develop guidance on the uses of probabilistic tsunami hazard analysis information and how best to communicate PTHA to various user groups**. Corina Allen led a task work group meeting at the end of last month where group planning and expected outcomes were discussed. The group was briefed on some of the uses of PTHA, discussed who the potential user groups would be, and started developing strategies for developing the guidance.

There was also some progress on our third task: **to help with development of guidance for addressing tsunami debris issues**. MRPWG group members participated in a multi-state meeting led by Althea Rizzo with the guidance for local agencies to develop tsunami debris plans or tsunami sections that can be added to existing debris plans. Althea is looking to bring in a consultant or possibly someone through a university to help with developing this guidance. We also are assisting with the MMS-supported effort to hold a tsunami debris modeling and product workshop; CA has started the process of contracting with Pat Lynett at USC who is working with Dan Cox of Oregon State to lead this workshop and develop a report and findings which will be integrated into the guidance being developed by Oregon.

Lastly, we also have a task **to develop guidance for lead officials to find funding to help with tsunami mitigation and recovery efforts**. We will be holding a task work group meeting next Monday to discuss potential available funding sources for tsunami mitigation and recovery planning work, and scoping out plans for developing the guidance.

11. MMS update – MMS Co-chair

MMS meeting minutes [here](#).

12. WCS update – WCS Co-chair

[OCT 2 submit to NOAA suggested language for new warning level](#)

[Submitted a paper on the Hazard Simplification project](#)

[Collecting agenda items for winter meeting](#)

13. Old Business

[TSTAP briefing - anything else to discuss - interested in the future relationship with the CC?](#)

[TSTAP will coordinate with NTHMP where the NTHMP can provide value.](#)

14. New Business
Adjourn - 517pm EST

NTHMP Coordinating Committee Meeting Minutes

Sept 23, 2021

4:00pm EST

1. Roll Call:

Alaska

none

American Samoa

none

California

Ms. Yvette LaDuke, California Office of Emergency Services, Valencia, CA

Mr. Todd Becker, California Office of Emergency Services, Eureka, CA

Mr. Rick Wilson, California Geological Survey, Sacramento, CA

Commonwealth of Northern Mariana Islands

Mr. Mario Kaipat, CNMI Homeland Security & Emergency Management, CNMI

East Coast States

Mr. Ed Fratto, Northeast States Earthquake Consortium, Wakefield, MA

Dr. Stephen Grilli, University of Rhode Island, Kingston, RI

Guam

Mr. Leo Espia, Guam Department of Homeland Security and Emergency Management, Agana Heights, GU

Mr. Chip Guard, Guam

Gulf Coast States

Dr. Juan Horrillo, Texas A&M University at Galveston, Galveston, TX

Hawaii

Dr. Kwok Fai Cheung, University of Hawaii, Honolulu, HI

Oregon

Dr. Jonathan Allan, Oregon Department of Geology and Mineral Industries, Portland, OR

Dr. Althea Rizzo, Oregon Emergency Management Agency, Salem, OR

Puerto Rico

Dr. Victor Huerfano, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR

U.S. Virgin Islands

Regina Browne, Virgin Islands Territorial EMA, St. Croix, VI

Washington

Mr. Maximilian Dixon, Washington Emergency Mgmt Division, Camp Murray, WA

Ms. Elyssa Tappero, Washington Emergency Mgmt Division, Camp Murray, WA

Mr. Dante DiSabatino, Washington Department of Natural Resources, Olympia, WA

Ms. Elyssa Tappero, Washington Emergency Mgmt Division, Camp Murray, WA

NOAA

Mr. Mike Angove⁵, Tsunami Program, NOAA/NWS Headquarters, Silver Spring, MD

Mr. Ian Sears⁵, NOAA/National Weather Service HQ, Silver Spring, MD

Dr. Diego Arcas, NOAA PMEL, Seattle, WA

Dr. James Gridley, NTWC Director, Palmer, AK

Summer Ohlendorf, NTWC Science Officer, Palmer, AK

Dr. Laura Kong, International Tsunami Information Center, Honolulu, HI
Carolina Hincapie-Cardenas, ITIC, Honolulu, HI
Ms. Christa von Hillebrandt, ITIC Caribbean Office, Mayagüez, PR
Mr. Dave Snider, NTWC Tsunami Warning Coordinator, Palmer, AK

FEMA
none

USGS
Ms. Stephanie Ross, U.S. Geological Survey, Moffett Field, CA
Dr. Nate Wood, U.S. Geological Survey, Portland, OR

29 present, 10 state votes (min 7); 4 Fed votes (min 4). Quorum requirement met.

¹Coord. Comm member, NOAA employee, non-voting

² Guest, one-time, non-voting

³Alternate for primary CC member (guest)

⁴ Regular guest, non-voting status

⁵Ex-officio, non-voting member

Quorum met

2. Welcome and call the meeting to order: Mike Angove

4:04 call meeting called to order

3. Welcome

- Mario Kaipat - CNMI
- Dante DiSabatino - Washington
- Carolina Hincapie – ITIC
- ITIC-Caribbean Office Announcement

4. [VOTE] Approval of Coordinating Committee Minutes from July 23, 2021

Minutes ([link](#)) - Call for approval: NTHMP Chair called for approval of the minutes from July 23, 2021. With no dissention, the minutes were approved.

5. [DISCUSSION] - NTHMP Winter Meetings. NTHMP Administrator

Event will be Feb 01 - Feb 04 to include

- [Tsunami Warning Session](#)
- [Tsunami Ready Session](#)

Hotel logistics to come as they become available.

NOTE FROM MIKE ANGOVE: We're leaning forward to have in person meetings. We've secured meeting space at the DoubleTree hotel in Portland. We plan to make this a hybrid (in person and virtual) meeting. We'll try to remain as flexible as possible and communicate any information/changes as they occur. All FY21 grants were submitted on time - and are on target to award on time.

6. [DISCUSSION] Grants Update

This is a reminder that Progress Reports are due at the end of September, but may be submitted now. A message was also sent from Grants Online to specific focal points at the beginning of month.

7. MES update – MES Co-chair
[MES notes from September 22, 2021](#)
8. MRPWG update – MRPWG Co-chair
[No meeting – work in progress.](#)
9. MMS update – MMS Co-chair
[MMS notes from September 23, 2021](#)
10. WCS update – WCS Co-chair
[2 major projects:](#)
[Warning level for advisory - WCS came up with a recommendation to provide to NOAA](#)
[Hazard Simplification paper - feedback to NOAA so they can use it for internal discussions](#)
11. Old Business
12. New Business
[Ed Fratto - update CV talking points - coordinate through NTHMP Administrator](#)
13. Adjourn 4:57 pm