

## 98th BOARD ON COASTAL ENGINEERING RESEARCH MEETING

13-15 September 2022  
Fireweed Conference Center  
725 E. Fireweed Lane, Anchorage, AK 99503

### WebEx

<https://usace1.webex.com/meet/jason.a.channell>  
Meeting Number and Access Code: 1992 90 7006

### By Phone

US Toll Free: 1-844-800-2712  
US Toll: 1-669-234-1177

## AGENDA

**THEME:** Coastal Community Resilience Research Needs in Cold Regions under a Changing Climate

**Meeting Concept:** *Identify coastal research needs associated with coastal communities in cold regions including issues of climate change, social equity, and environmental justice.*

**(All in Alaska Daylight Saving Time Zone)**

Tuesday September 13, 2022 – Board Members Site Visit, Bethel, AK

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|------|---|
| 0645 | Depart Hotel- individual transportation   |
| 0730 | Meet at Security Aviation, 6121 S Airpark PI, Anchorage, AK 99502<br>Charter Flight Site Visit for BCER Board Only<br><i>In case of prohibitive weather for flying, BCER will visit Point Woronof, AK.<br/>Plan to meet at Security Aviation for go/no go, unless advised otherwise.</i>  |
| 0800 | Flight Departure  |
| 0900 | Arrival and transition to City of Bethel Council Chambers in City Hall,<br>300 Chief Eddie Hoffman Highway, Bethel, AK  |
| 0930 | “Community Coastal Resilience & Social Challenges” – Anna Hoffman   |
| 1000 | Site Visit- (Bring water and snacks) <ul style="list-style-type: none"><li>• Meet City Manager Pete Williams at Small Boat Harbor</li><li>• Discuss float maintenance, removal for ice</li><li>• Discuss harbor dredging through ice</li><li>• Move to entrance channel revetment, discuss ice plucking issues with stone armor</li><li>• Move to east pile bulkhead, discuss retaining wall issues, moorage, USACE tieback project</li></ul> |

- Move to City Dock, discuss hub transshipment of goods to the region, view docks and landing craft mooring
  - Move to First Avenue Bulkhead, discuss thermosyphon issues
  - End discussions or move to Mission Road pile and stone revetments to see further ice effects as desired
- 1600 Return to Anchorage, AK, adjourn
- 1630 Anchorage, AK - JABLTCX Lidar Aircraft Tour (30 min tour)
- Joint Airborne Lidar Bathymetric Center of Expertise- Security Aviation
- 1900 BCER Board Dinner at Crow's Nest (in hotel)

Wednesday 14 September 2022 -- Fireweed Conference Center

**Meeting Attire: Military- Cammies/OCP; Civilian-Business Casual**

- 0700 0830 Registration Fireweed Conference Center
- 0730 0830 Breakfast
- 0830 **Call to Order**  
Dr. Julie Rosati, Designated Federal Officer (DFO)
- 0830 0900 Welcome and Introductions**  
MG William H. "Butch" Graham, Jr., Deputy Commanding General for Civil and Emergency Operations, Headquarters (HQ), U.S. Army Corps of Engineers (USACE)  
  
LTC Virginia Brickner, Deputy Commander, Alaska District (POA)
- 0900 0930 Observations from Site Visits  
MG William H. "Butch" Graham, Jr., and Board Members
- 0930 1000 Purpose and History of the BCER  
Dr. Ty V. Wamsley, SES, Director Coastal & Hydraulics Laboratory (CHL)
- 1000 1015 Break**
- Panel Session #1: Alaska's Coastal Setting and Challenges***  
Moderator: Mr. Nathan Epps, POA
- 1015 1045 Alaska District's Coastal Shoreline Erosion Projects and Challenges  
Mr. Bruce Sexauer, POA
- 1045 1115 Impacts of Changing Sea Ice on Wave Climate and Shoreline Erosion  
Dr. Alec Bennett and Dr. Valdimir Alexeev  
International Arctic Research Center, University of Alaska Fairbanks

1115	1145	Community Coastal Resilience & Social Challenges Ms. Malinda Chase, Tribal Liaison, International Arctic Research Center
<b>1145</b>	<b>1245</b>	<b>Lunch (Onsite)</b>
		<b><i>Panel Session #2: Ongoing Research, Needs and Gaps</i></b> Moderator: Dr. Jane Smith, Emeritus ST, CHL
1245	1315	Armor Units for Coastal Protection in the Arctic Mr. Nathan Epps, POA
1315	1345	Storm Selection for Design Event Scenarios – Case Study at Utquigvik Ms. Rebecca Kloster, POA
1345	1415	Coastal Hazards System for Pacific Basin Dr. Norberto Nadal-Caraballo, CHL
1415	1445	Mapping Alaska’s Coastline: Research, Development, and Collaborations Ms. Jennifer Wozencraft, CHL, and Dr. Erin Trochim, Alaska Center for Energy and Power (ACEP), University of Alaska Fairbanks
<b>1445</b>	<b>1500</b>	<b>Break</b>
1500	1530	Summary of Outcomes and Recommendations Aligned with BCER Initiatives Dr. Jane Smith, Emeritus ST, CHL
1530	1600	Public Comment
1600	1630	Summary of Action Items Dr. Julie Rosati, CHL
1630	1700	Board Closing Remarks Open Discussion Board Members
1700		Adjourn
1745		Dinner Social Haute Quarter Grill

Thursday, 15 September 2022 – Executive Session – Fireweed Conference Center

**Meeting Attire: Military- Cammies/OCP; Civilian-Business Casual**

0700	0800	Registration	Fireweed Conference Center
0730	0830	Breakfast	
0830	0900	Comments on Meeting Outcomes	MG William H. "Butch" Graham, Jr.
0900	0930	Near-term Needs: Coastal Model R&D	
-		Next-Gen Coastal Storm Risk Management Toolbox	
-		Strategic Coastal Model R&D	
		Mr. John Winkelman, Coastal Working Group Lead, CHL	
		Dr. Jane Smith, Emeritus ST / Dr. Matthew Farthing, ST, CHL	
0930	1000	Overview of FY24 Civil Works RD&T Program	
		Dr. Ty V. Wamsley, SES, CHL	
1000	1030	Discussion of 99th BCER: Location and Theme	
		MG William H. "Butch" Graham, Jr.	
1030	1045	Review Action Items	
		Dr. Julie Rosati, CHL	
1045	1100	Closing Remarks.	
1100		Adjourn	