



**DRAFT AGENDA**  
**Guidelines on the Use of Natural and Nature-Based Features for Sustainable**  
**Engineering**  
**Working Meeting**  
**Oct 30 – Nov 3, 2017**

**NOAA Headquarters**  
**1305 East-West Hwy**  
**Silver Spring, MD 20910**

**Workshop Outcomes**

- Validate/update the project scoping document
- Confirm chapter team membership, including chapter co-leads
- Advance the development of the Guidelines

**Participants:**

Meeting participants have been identified from government, private industry, academia, and non-governmental organizations that have technical expertise and leadership in the field of natural and nature-based design, field operations, and management.

**Objectives**

The objectives for this collaborative meeting are as follows:

- Assemble technical leadership and staff from government, NGOs, universities, and international organizations interested in advancing the science, engineering and practice of NNBF application
- Collectively review the scoping document for common understanding of the effort
- Advance individual chapter development
- Refine a schedule of activities and milestones to develop and publish the Guidelines

**Day 1 Plenary Session Remote Access (remote access numbers for breakout sessions will be provided by chapter co-leads via email)**

International: 404-443-6396

Conference line: 877-336-1828

Access code: 1611615

Security code: 1234

Web meeting: <https://www.webmeeting.att.com>

<b>Day 1</b>		
<b>JOINT MEETING</b>		
<b>Time</b>	<b>Agenda</b>	<b>Lead(s)</b>
1230 – 1300	<b>Check-In: NOAA Science Center</b>	
1245 - 1315	<b>Meet and Greet – NOAA Science Center</b>	All
1315–1400	<b>Welcome &amp; Introductions</b>  <b>Plenary Sessions located in NOAA Science Center adjacent to NOAA Building 4</b>	1. Dr. Todd Bridges, Senior Scientist, USACE-ERDC 2. Dr. Jeff Payne, Director, NOAA-NOS-OCM 3. Mr. James Dalton, Director of Civil Works, USACE 4. Dr. Eng Seng Loh, Director of Strategic Growth Project, Earthmoving Division, Caterpillar
1400-1430	<b>Plenary Session: Intro to NOAA and Mission Areas Relevant to NNBF Guidelines</b>	Dr. Steve Thur, Acting Director, NOAA-NOS-NCCOS
1430-1500	<b>Plenary Session: NNBF Guidelines Overview</b>	Todd Bridges
1500–1515	Break	
1515–1630	<b>Plenary Session: NNBF Updates</b> <ul style="list-style-type: none"> <li>• Scoping Document</li> <li>• New Section III: Fluvial Systems</li> <li>• Framework</li> <li>• Benefits</li> <li>• Beaches and Dunes</li> <li>• Wetlands</li> </ul>	Todd Bridges Chris Haring Jonathan Simm Todd Swannack Quirijn Lodder Candice Piercy
1630-1700	<b>Day 1 Wrap Up</b> <ul style="list-style-type: none"> <li>• Inventory Chapter Representation</li> <li>• Plan for Breakouts</li> </ul>	Todd Bridges
1700	Adjourn	

<b>Day 2</b>	<b>JOINT MEETING</b>	
<b>Time</b>	<b>Agenda</b>	<b>Lead(s)</b>
0800-0815	<b>Check-In: Visitor Badges Issued – NOAA Science Center Entrance</b>	
0815 – 0830	<b>Meet and Greet – NOAA Science Center</b>	
0830 - 0845	<b>Breakout Group Orientation</b>	Todd Bridges and Jeff King
0845 – 1200	<b>Break Out Session 1*</b> <ul style="list-style-type: none"> <li>• Framework</li> <li>• Benefits</li> <li>• Beaches &amp; Dunes</li> <li>• Wetlands</li> <li>• Fluvial Systems</li> </ul> <p>*Note: Additional chapter breakouts are expected and will be based on the quorum of attending team members.</p>	All
1200 - 1330	Lunch	
1330 – 1400	<b>Plenary Session: Case Study Discussion – NOAA Science Center</b>	Jeff King
1400 - 1600	<b>Break Out Session 2*</b> *Chapter teams meeting to be determined	All
1600 - 1700	<b>Plenary Session: Report by Chapter (5 min each); NOAA Science Center</b>	All
1700 – 1715	<b>Final Thoughts/Questions</b>	Todd Bridges
1715	Adjourn	

<b>Day 3</b>	<b>JOINT MEETING</b>	
<b>Time</b>	<b>Agenda</b>	<b>Lead(s)</b>
0800 – 0830	<b>Check-In: NOAA Building 4</b>	
0815 - 0830	<b>Meet and Greet – NOAA Science Center</b>	
0830 – 0900	<b>Plenary Session: Overview of NOAA approach to NNBF</b>	Steve Thur
0900 – 0915	<b>Breakout Group Orientation</b>	Todd Bridges and Jeff King
0915 -1145	<b>Break Out Session 4*</b> *Chapter teams meeting to be determined	All
1145-1230	<b>Report by Chapter Teams</b>	All
1230-1400	Lunch	

1400-1430	<b>Plenary Session: NOAA Building 4 – File Sharing Using APAN</b> <ul style="list-style-type: none"> <li>• APAN Demonstration</li> <li>• Project Communications (internally and externally)</li> </ul>	Courtney Chambers
1430-1500	<b>Next Steps</b> <ul style="list-style-type: none"> <li>• Future meeting plans, suggestions</li> <li>• Review schedule</li> </ul>	Todd Bridges
1500-1530	Break	
1530-1630	<b>Fieldtrip Overview</b> <ul style="list-style-type: none"> <li>• Project introductions</li> <li>• Logistics</li> </ul>	Bhaskar Subramanian (MD DNR) Danielle Szimanski (USACE-NAB)
1630-1700	<b>Day 3 Wrap Up</b>	
1700	Adjourn	

Day 4	Site Visits	
Time	Agenda	Lead(s)
0700 – 0720	<b>Check in: Meet at NOAA “Hand” Statue. Adjacent to NOAA Building 3 by 7:20</b>	
0730	<b>Depart NOAA HQ</b>	
1000	<b>Arrive at Blackwater NWR:</b> Tour refuge including Thin-Layer Placement Project (TLP).	Matt Whitbeck (NWR Manager); Bhaskar Subramanian
1200	<b>Depart Blackwater NWR and travel to Easton, MD</b>	
1300-1400	Lunch in Easton, MD	
1400	<b>Depart Easton, MD</b>	
1430	<b>Arrive at Chesapeake Bay Environmental Center (CBEC):</b> Tour high-energy, Living Shoreline Project- great example of project surviving extreme weather event (Hurricane Isabel 2003)	Bhaskar Subramanian
1500	<b>Depart CBEC</b>	
1530	<b>Arrive at Conquest Living Shoreline Preserve (CLSP) –</b> Tour first manmade shingle beach project in the US	Bhaskar Subramanian
1600	<b>Depart CLSP</b>	
1600-1700	<b>Return to NOAA-HQ in Silver Spring, MD</b>	
1700	Adjourn	

<b>Day 5</b>		<b>Site Visits</b>	
<b>Time</b>	<b>Agenda</b>	<b>Lead(s)</b>	
0800 – 0810	<b>Check in: Meet at NOAA “Hand” Statue adjacent to NOAA Building 3 no later than 8:15</b>		
0820	<b>Depart Giant Parking Lot</b>		
0900	<b>Arrive at Spring House Run Site at National Arboretum in DC</b>	Bhaskar Subramanian and Keith Underwood	
1000	<b>Depart Spring House Run Site</b>		
1020	<b>Arrive at Pope Branch (Anacostia River) Site in DC</b>	Keith Underwood, Keith Pivonski, and Chris Becraft	
1145	<b>Depart Pope Branch Site</b>		
1215	<b>Return to Giant Parking Lot – Final Thoughts and Closing Remarks</b>	Todd Bridges	
1230	<b>Adjourn</b>		

## **Other Things to Know**

### **Checking in at NOAA Complex:**

We have coordinated with the NOAA Security Office, and they have advised the following to expedite the process:

- 1) Attendees can check-in directly at the NOAA Science Center (Please see map). You will not be required to register at NOAA Building 4. We are expecting a large number of people at this meeting, and it will take some time to get everyone cleared and into the building. If you can, please try to arrive early (preferably 20-30 minutes in advance) to give enough time to get everyone through on time.
- 2) Anyone with a Department of Defense CAC Card (e.g., NOAA, USACE and others Federal Agencies) will need to present their CAC Card to the Security Guards.
- 3) US citizens without a CAC card will need to bring a photo ID (e.g. driver’s license) and present it to the Security Guards in order gain access.
- 4) Foreign National Visitors will need to bring their passport as photo ID to the NOAA Building Complex and present it to the Security Guards.

Everyone will be expected to complete the security clearance process each day.

**Hotels:**

There are three primary hotels that serve the downtown Silver Spring, MD area. All of these hotels offer lodging that is within walking distance to the NOAA HQ building. Recommend starting with the Marriott as a first option.

(1) Courtyard Marriott (Silver Spring, MD)

<http://www.marriott.com/hotels/travel/wassv-courtyard-silver-spring-downtown>

8506 Fenton Street Silver Spring Maryland 20910

USA TEL: +1 301-589-4899

(2) Double Tree Hilton (Silver Spring, MD)

<http://doubletree3.hilton.com/en/hotels/maryland/doubletree-by-hilton-hotel-washington-dc-silver-spring-DCASSDT/index.html>

8727 Colesville Road, Silver Spring, Maryland, 20910,

USA TEL: +1-301-589-5200

(3) Homewood Suites (Silver Spring, MD)

<http://homewoodsuites3.hilton.com/en/hotels/maryland/homewood-suites-by-hilton-silver-spring-WASSVHW/index.html>

8728 Colesville Road, Silver Spring, Maryland, 20910

USA TEL: +1-301-565-0005

**Attire for Working Sessions and Site Visits:**

During our working sessions at NOAA Headquarters (30 OCT – 1 NOV), business casual is the appropriate attire. For our site visits, please bring clothing more suited to field-related activities. All sites are easily accessible. However, we will be outdoors, and it will be important to dress appropriately. Appropriate field shoes and long pants are recommended. Also, please remember to bring rain gear. Rain or shine, we will be visiting the sites.

**Contacts While Traveling and During Meeting**

While traveling or during our meeting, you may need to contact one of our conference organizers. Please don't hesitate to contact the following people if you have any questions or need any assistance during the meeting.

Todd Bridges – email: [todd.s.bridges@usace.army.mil](mailto:todd.s.bridges@usace.army.mil); cell phone/text: 601-831-0691

Jeff King – email: [jeff.k.king@usace.army.mil](mailto:jeff.k.king@usace.army.mil); cell phone/text: 202-706-3534

**Courtney Chambers – email: [courtney.e.chambers@usace.army.mil](mailto:courtney.e.chambers@usace.army.mil); cell phone/text: 601-988-5318**

**Paula Whitfield – email: [paula.whitfield@noaa.gov](mailto:paula.whitfield@noaa.gov); cell phone/text: 252-241-9348**

**Colette Cairns – email: [colette.cairns@noaa.gov](mailto:colette.cairns@noaa.gov); cell phone/text: 609-709-8539**