



Hawaiian Islands Humpback Whale National Marine  
Sanctuary Advisory Council

**DRAFT MEETING MINUTES**

**76th Meeting**  
**Tuesday, October 30, 2018**  
**9 am – 3:30 pm**

**Interisland Terminal Conference Room 3-Iliahi**  
**Daniel K. Inouye International Airport**  
**300 Rodgers Boulevard**  
**Honolulu, HI 96819**

**NON-GOVERNMENT** (Voting)

- Vacant  
*Business Commerce*
- Vacant  
*Commercial Shipping*
- Barbara (Maka'ala) Kaaumoana  
*Conservation*
- Judith Lemus  
*Education*
- Myrick (Rick) Gaffney  
*Fishing*
- Steve Turner  
*Hawai'i Island*
- Vacant  
*Oahu Island*
- Nina Monasevitch  
*Kaua'i Island*
- Solomon Pili Kaho'ohalahala  
*Lana'i Island*
- Robin Newbold  
*Maui Island*
- Vacant  
*Moloka'i Island*
- Vacant  
*Native Hawaiian*
- Jim Coon  
*Ocean Recreation*
- Mark Deakos  
*Research*
- Vacant  
*Tourism*
- Tara Leota  
*Whale Watching*

**Purpose:**

The Sanctuary Advisory Council (SAC) will meet to review and revise workplans, address new action items, and provide council updates.

**Welcome**

- Chair Sol Kaho'ohalahala called the meeting to order at 9:15 am and Sabra Kauka performed opening pule. At the chair's request Kai Palaoa video by Daniel Ho was played for inspiration.
- Secretary Judy Lemus takes attendance.

**GOVERNMENT** (Non-Voting)

- Leo Asuncion  
*DBEDT – Office of Planning*
- Veronica Rocha  
*DBEDT Renewable Energy*
- Maria Carnavale  
*Division of Aquatic Resources*
- Alec Wong  
*DOH*
- Sandra Rosseter  
*DOT – Harbors*
- Keola Lindsey  
*OHA (Voting)*
- Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*
- Athline Clark  
*Papahānaumokuākea MNM*
- Jeffrey Pollack  
*NOAA OLE*
- Jeff Walters  
*NOAA Fisheries PIRO*
- Eric Kingma  
*WESPAC (Voting)*
- Tunis McElwain  
*US Army Corps of Engineers*
- Eric Roberts  
*US Coast Guard*
- Janice Fukawa  
*US Navy*

**Primary SAC council members present:** Business - Thorne Abbott, Conservation - Maka'ala Kaaumoana, Education - Judy Lemus, Fishing - Rich Gaffney\*, Hawaii Island - Steve Turner, Kaua'i Island- Nina Monasevitch, Lana'i Island - Sol Kaho'ohalahala, Maui Island - Robin Newbold, O'ahu Island - Maxx Phillips, Ocean Recreation - James Coon, Youth - Annabelle Padilla, State of Hawaii Department Health - Alec Wong, State of Hawaii DLNR - Maria Carnevale, NOAA NMFS PIRO - Jeffrey Walters, PMNM - Athline Clark, U.S. Navy - Janice Fukawa, U.S. Coast Guard - Eric Roberts, WESPAC - Eric Kingma, HIHWNMS Sanctuary Superintendent - Josh Jankot

\*present via conference line

**Alternate SAC council members present:** Commercial Shipping – James Kelleher, Native Hawaiian - Sabra Kauka, Research - Jens Currie, Whale watching - Geoffrey Wall

**ONMS Staff:** Allen Tom, Cindy Among-Serrao, Sara Thompson, Jean Souza, Paul Wong, Nicole Evans, and Alan Lum

- LTJG Sara Thompson, NOAA Corps and previous Acting Superintendent introduced Josh Jankot as the current Acting HIHWNMS Superintendent.

**Council Business**



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

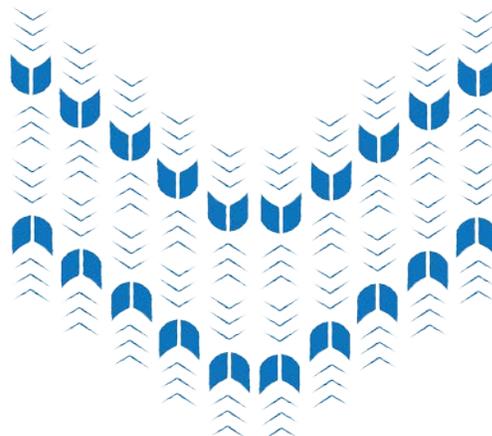
- Acceptance of Agenda.
  - Moved by Vice-Chair Maka‘ala Kaaumoana and seconded by Jim Coon
- Approval of Meeting 75 Minutes
  - Jim Coon motioned to approve the minutes, seconded by Maka‘ala Kaaumoana. All members said aye. Minutes adopted.
- Gift to SAC from RAC and Staff of Papahānaumokuākea Marine National Monument
  - SAC Chair Sol Kaho'ohalahala reported on a gift of a kapa design that was presented to the SAC from the PMNM RAC at the joint SAC/RAC meeting held in Honolulu. The following information was projected and read to the SAC.

### A Traditional Design

#### For Hawaiian Islands Humpback Whale National Marine Sanctuary

*This kapa design was developed by Papahānaumokuākea staff as a gift to its sister site in consultation with select members of the Native Hawaiian community.*

Hawaiian Islands Humpback Whale National Marine Sanctuary is committed to integrating customary knowledge and practices along with contemporary science to inform management. In order to effectively manage humpback whales and their habitat in Hawai‘i, it is important to include cultural perspectives and solutions that uniquely reflect each island and community. This approach embodies Hawaiian values that connect people to the environment, and these values ultimately inform and direct appropriate environmental management practices.



Following in the footsteps of Papahānaumokuākea, there are many ways to embody Hawaiian culture into sanctuary programs including the use of kapa patterns to illustrate particular meanings. This design can be used to give the sanctuary a unique and recognizable element that ties it symbolically with the Hawaiian culture. Appropriately used in publications and other outreach materials this kapa design can help convey the uniqueness of the sanctuary and its ties to Hawai‘i.

This particular kapa design has many meanings including its initial appearance and symbolism that mirror the shape of a whale tail in its overall form and the individual shape of each of the chevrons. The deeper meaning of the design originates from members of the Native Hawaiian community who have connections to the koholā and other kin and can be interpreted as follows.

#### **NON-GOVERNMENT** (Voting)

Vacant  
Business Commerce

Vacant  
Commercial Shipping

Barbara (Maka‘ala) Kaaumoana  
Conservation

Judith Lemus  
Education

Myrick (Rick) Gaffney  
Fishing

Steve Turner  
Hawai‘i Island

Vacant  
Oahu Island

Nina Monasevitch  
Kaua‘i Island

Solomon Pili Kaho'ohalahala  
Lāna‘i Island

Robin Newbold  
Maui Island

Vacant  
Moloka‘i Island

Vacant  
Native Hawaiian

Jim Coon  
Ocean Recreation

Mark Deakos  
Research

Vacant  
Tourism

Tara Leota  
Whale Watching

#### **GOVERNMENT** (Non-Voting)

Leo Asuncion  
DBEDT – Office of Planning

Veronica Rocha  
DBEDT Renewable Energy

Maria Carnavale  
Division of Aquatic Resources

Alec Wong  
DOH

Sandra Rossetter  
DOT – Harbors

Keola Lindsey  
OHA (Voting)

Josh Jankot  
Hawaiian Islands  
Humpback Whale NMS

Athline Clark  
Papahānaumokuākea MNM

Jeffrey Pollack  
NOAA OLE

Jeff Walters  
NOAA Fisheries PIRO

Eric Kingma  
WESPAC (Voting)

Tunis McElwain  
US Army Corps of Engineers

Eric Roberts  
US Coast Guard

Janice Fukawa  
US Navy



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

The whale is an ancient being, and for Native Hawaiians we acknowledge this ancestor as a everlasting transient of multiple dimensions and strata. The whale has the ability to dive to the depths of the world's subconsciousness and through sound intention it facilitates the emergence of ancient knowledge and therefore the state of current understanding. In Hawai'i, also known as Nā Kai 'Ewalu (the eight seas), the number eight is significant to the ocean and can be found in other related references. The term makawalu, translated as "eight eyes" or "numerous; in great quantities", is related to one's ability to know and interact with numerous dimensions of interconnected knowledge systems. The design is inspired from this understanding and the relationships that Native Hawaiians continue to have with Kanaloa.



Interpretation by Kalani Quiocho, Native Hawaiian Program Specialist and designed by Kahi Fujii, Graphic Artist

\*The one-page design with explanation is to be emailed to SAC members.

- Sabra Kauka motioned to accept the gift of the kapa design, seconded by Max Phillips. Unanimously passed.
- Chair declared that this is to become our symbol of the sanctuary.

### Superintendent's Report (LTJG Sara Thompson)

- LTJG Sara Thompson provided highlights of the 44 page Superintendent's Report that was previously emailed to SAC members. Summary:
  - 14 confirmed entanglements
  - 21 on-water responses
  - 5-6 confirmed whales freed
  - Research - New tagging program Accusonde
  - EARS – to quantify whale populations
  - Outreach – Sanctuary Sanctuaries
  - Sanctuary Saturday--new outreach event at Kihei on last Saturday of every month
  - World's Ocean Day celebrated at Ko Olina on O'ahu
  - New Kupu Intern at Kihei site working on fishpond project
  - Whale Tales – Ed Lyman lecture at Whale Tales on Maui
  - Megan Jones students from a UH program were on HIHWNMS vessel Kohola to learn whale behavior and research techniques
  - Kauai ocean event in January at Kukui Grove Shopping Center

#### **NON-GOVERNMENT** (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lāna'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

#### **GOVERNMENT** (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rosseter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

- Maka‘ala Kaaumoana suggested an outline of Superintendent’s Report be provided in the future. The sanctuary is working on a newsletter that could be sent out two times a year to provide more timely updates.

### **NON-GOVERNMENT** (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka‘ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai‘i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua‘i Island*

Solomon Pili Kaho‘ohalahala  
*Lana‘i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka‘i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

### **GOVERNMENT** (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*

### **Pacific Islands Regional Director Report (Allen Tom)**

- Summary of Office of National Marine Sanctuaries (ONMS) leadership changes and activity since last SAC meeting.
- Superintendent interviews were held in January 2018. SAC Chair Sol Kaho'ohalahala participated in the interviewing of candidates. The hiring process for this position and many others was cancelled due to irregularities in the performance of the contractor hired by Workforce Management to do the hiring. A new recruitment process is underway and the new superintendent is expected to be hired in early 2019.
- SAC Chair Sol Kaho'ohalahala represented SAC at SAC chairs meeting.
- John Armor, the ONMS Director is temporarily the acting deputy director for the National Ocean Service (NOS).
- Rebecca Holyoke, the deputy director of ONMS, is now the acting director .
- Rachel Medley is the acting deputy director of ONMS.
- Over the past year there have been five (5) acting superintendents for HIIHWNMS.
  - Jessica Kondel
  - Nikola Garber
  - Ed Lyman
  - Sara Thompson
  - Josh Jankot
- The NOS Employee of the Year is Ed Lyman, the sanctuary’s whale response coordinator and natural resource management specialist.
- Kai Palaoa CD perhaps National Marine Sanctuary Foundation can still reproduce this.
- Ocean Users Workshop to be hosted by the sanctuary, NOAA Office of Law Enforcement, and NOAA Fisheries. The public is invited to learn and ask questions about safe and lawful wildlife viewing and boating around Hawaii’s marine mammals and sea turtles. Whale and dolphin watchers, boat captains, ocean tour operators, and other ocean users are encouraged to attend. The workshops are free to the public, with doors open at 6:00 pm and the meetings starting at 6:30 pm.
  - Wednesday, Nov 28: Oahu, Central Middle School
  - Friday, Nov. 30: Kauai, King Kaumualii Elementary School Cafeteria
  - Monday, Dec. 3: Hawaii, West Hawaii Civic Center (limited to the first 50 people)
  - Thursday, Dec. 6: Lahaina, Maui, Princess Nahienaena Elementary School
  - Friday, Dec. 7: Kihei, Maui, NOAA HIHW Sanctuary office
- Starting on January 19, the sanctuary will coordinate the “Ocean Around Us” at the Kukui Grove Shopping Center on Kaua‘i. Contact Jean Souza for more information on this 5-week long series of activities and exhibits.

### **Pre-Season Briefing on Planned Research Activities by Research Coordinator Dr. Marc Lammers**

- Marc is celebrating one year with sanctuary!



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

- Presented a powerpoint
- Summary:

### HIHWNMS/UH/OSI passive acoustic monitoring

#### Passive acoustic monitoring with Ecological Acoustic Recorder (EARS)

- What can we learn from listening?
- Acoustic energy levels correspond to observed sightings
- Acoustic energy decreased over the past several years
- No quantitative information to correspond with exact whale numbers
- Humpback whale are dominant sound in this frequency range
- Shallow water habitats
- Data from 2014

#### Plans for 2018/19 season:

- EARS at 7 Maui Nui locations
- Land based theodolite observation will be made to quantify whale abundance in defined area
- Vessel-based transects with use to provide second metric
- Visual abundance metrics will be compared to song chorusing measurements

#### ONMS-wide Acoustic Monitoring

- Navy and NOAA settled with plaintiffs (NRDC) based on Navy use on sonar system. ONMS is the primary recipient of the legal settlement.
- As part of SURTASS settlement the parties agreed to:
  - Develop capacity to protect acoustic habitats in NMS
  - Marine mammal density and distribution modeling
  - ONMS- wide acoustic monitoring in three east coast sanctuaries, three west coast sanctuaries,
  - PMNM and HIHWNMS
  - 3-year data collection period
  - Objective
  - Relative abundance
  - Compare trend between MHI
  - Examine vessel presence in NWHI
  - Tagging

#### Researchers Meeting to be held in November in Honolulu

- Convened by HIHWNMS- Discuss trends in humpback whale presence
- Compare notes among researchers on abundance observations over the last 3 years
- Consider potential explanations
- Identify knowledge gap
- Strategy and collaboration for research
- Researcher are looking through individual perspectives; research meeting will bring together different perspectives
- Public report will be developed
- Sol – Lack of singing is whales' hearts are broke. Need to consider Hawaiian cultural implications

#### NON-GOVERNMENT (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

#### GOVERNMENT (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

### **Guest Presentation: Hawaii Climate Indicators Summary**

- By Dan Polhemus of U.S. Fish and Wildlife Service
  - Member of PMNM Climate Change Working Group
- Presented a powerpoint. A pdf of the presentation is available
- Summary:
  - Main Hawaiian Island perspective
  - Late 2018 show a slight abatement from record-setting heating trends
  - Much warmer than average years. One degree centigrade more.
  - Warm and wet
  - Past summer looks like El Nino year with hurricanes Lane, Norman, Olivia, and Walaka
  - We are seeing rapid intensification of storms
  - There is gradual increase of warmer waters from south
  - Alaska has warmer than average waters
  - East Island eliminated from French Frigate Shoals
  - Global sea surface temperature anomaly May 7 2018
  - Bleaching Stress Probability -
  - 90% Stress level probability November 2018 to February 2019
  - 60%-70% chance of El Nino
  - Digression – A warmer atmosphere holds more water
  - 72 hour rainfall total from Hurricane Lane
  - And the strong hurricanes keep coming.
  - Digression – It is not wet everywhere.
  - Mild El Nino this winter
  - 2018 has some abatement from the recent trend of record hot weather.
  - ENSO neutral conditions currently prevails
  - Near zero chance of significant thermal stress this winter from Nov. 2018 to Feb. 2019
  - Local cyclogenesis
  - Atlantic-Pacific no longer alternate the seasonality of hurricane activity

### **Update of Status of Management Plan (Josh Jankot)**

- NOAA's Office of National Marine Sanctuaries (ONMS) and The State of Hawaii are jointly updating the Hawaiian Islands Humpback Whale National Marine Sanctuary Management Plan.
- Internal discussions are ongoing with NOAA and the State of Hawaii
- Working on this being a joint plan and announcing it together
- Reaffirms the intention of the original designation to protect Humpback Whales and their habitat (no surprises)
  - Draft will be shown to the advisory council once public comment is open (maybe summer 2019)
  - The management plan includes the results of past working group activities and input from the advisory council during earlier management plan review.
  - Advisory council working group input and comments have been considered in the refining of the current plan. Management plan will focus on areas of current success:

#### **NON-GOVERNMENT** (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

#### **GOVERNMENT** (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

- Response to humpback whales in distress, including life-threatening entanglements
- Monitoring and research to gather information
- Education and outreach to help raise awareness and mitigate threats

- Eric Kingma asked about the timeline. A draft management plan should be available by next summer.
- SAC involvement once the draft MP is released by the public
- Maria – State Co-manager position is being recruited (Jeff)
- DLNR staff on Kaua‘i--how are they participating in the draft (Maka‘ala)
- Max – involve state legislators
- Maka‘ala – Need earlier participation of SAC so that there isn't a repeat of previous draft MP process
- Maria--State agencies that self-identified as part of past MP process are involved already

### RAC/ SAC Discussion (Sol)

- Chair Kaho‘ohalahala referenced an action item of the RAC/SAC--establish a joint working group; consider topics for capacity building; identify participants for joint membership
- At their last RAC meeting, the RAC identified their participants to the joint working group:
  - Rich Gaffney
  - Tammy Harp
  - Linda Paul
  - Tiare Holmes, representing the National Marine Sanctuary Foundation
- SAC participants who volunteered to be in the joint working group:
  - Thorne Abbott
  - Nina Monasevitch
  - Maka‘ala Kaaumoana
  - Judy Lemus
  - Maxx Philips
  - Anabelle Padilla
  - Jeff Walters, representing NMFS
- Topics of joint WG discussion suggested by RAC:
  - Look at area of mutual support
  - Looking at funding possibilities
  - Overlaps and interconnectivity (e.g., Koholā found in PMNM and HIHW)
  - Synergy of two entities protecting PMNM and HIHWNMS
  - Joint Discovery Center on Oahu
- Topics of joint WG discussion suggested by SAC:
  - Potential support from NMSF (which was the original interest)

#### NON-GOVERNMENT (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka‘ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai‘i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua‘i Island*

Solomon Pili Kaho‘ohalahala  
*Lāna‘i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka‘i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

#### GOVERNMENT (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

- Water quality
- Shared messages
- Climate change

### NON-GOVERNMENT (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

### GOVERNMENT (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*

- Date options selected by RAC for joint working group
  - Before end of November : Nov. 7, 14, 15, 27, 28, **29 (selected by SAC)**
  - Meeting needs to be worked out by staff
- Discussion:
  - Discovery Centers – Population center is on Oahu. Look into the possibility of a joint center.
  - Kris Sarri – Hawaii Chapter of NMSF has dissolved.
  - Funding needs to be looked at collaboratively not in competition between PMNM and HIHWNMS.

### 2019 SAC meetings

- March 12
- July 9
- November 5

### SAC Member Recruitment Process

- Cindy showed a powerpoint slides
- Game plan: Keep members currently serving while putting emphasis on filling vacant primary SAC seats, then filling vacant alternate SAC seats; and then rolling recruitment for rest of the seats
- Please help recruit by recommending fellow qualified community members to apply.
- Send suggested candidates to Cindy when recruitment announcements go out
- **Send copy of Game Plan to SAC members**
- **Need to look at Charter for term limits and other limitations for SAC membership.**

### Public Comment Period at 11:45 am: No Comments

### Continuation of Presentation by Marc Lammers

- SURTASS
  - Maka'ala – concerned about location of acoustic mooring
  - Marc's response--SURTASS monitor will be in about 250 feet of water about 20 feet above the bottom
  - Device listens only, except for few seconds of noise for release
- HIHWNMS/UH/SU Tagging
  - Long-term collaboration with Whitlow Au
  - Acousonde tags record sound, movement, depth, temp, light
  - Used to study whale behavior, communication, exposure to noise and habitat uses.
    - 10 tagging field days
    - Nighttime behavior of whale will be investigated.



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

### NON-GOVERNMENT (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

### GOVERNMENT (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*

- Early development of song--juvenile whales will be studied
    - If possible, entangled whales will be tagged to quantify the energetic costs that entangling gear has on the whale.
  - Collaboration with Adam Pack UH- Hilo
  - Understand the function of HW song.
  - Specifically, are acoustic parameter of songs indicator of individual male fitness?
  - 10 field days.
  - 2 snorkelers will collect calibrate song recordings and videogrammetry data for size estimation.
  - Biopsy samples of singer s will be collected for hormone analysis
- AUV Drone Work
    - Collaboration with HIMB and PWF and others.
  - Discussion:
    - Nina Monasevitch--Could someone like Chair Kaho'ohalahala attend the researchers meeting? Incorporate cultural perspective into research meeting if possible
    - Marc--Great to have a separate forum on cultural perspectives. Agenda for researchers meeting is focused to ensure completion of tasks. Meeting organizers remain committed to original intent of meeting, in light of attempts to include other topics.
    - Chair Kaho'ohalahala--Cultural perspectives should be included upfront, not added on. There are cultural interpretations on whale song and the lack or presence of song, for example. There are cultural explanations of what is going on
    - Vice-Chair Kaaumoana--There is a disconnect with community. Need a well-informed community to support the whale

### Lunch Break: Reconvened at 12:55 pm

#### Whale Watching Problems (Capt. Steve Turner)

- Proposed new action: respectful whale watching
- Open discussion
  - Steve Turner--there are reduced whales with increased number of whale watch operators. Problem with lack of enforcement. Spinner dolphin interaction has been under investigation for years. Education is important. Get everyone on the same page
  - Steve Turner--Maui (Jim Coon) has been a leader with education and conservation. Whale watch guidelines were formulated
  - Jim Coon--Good education was most important component. On Maui, there is self-policing and integration with NMFS Office of Law Enforcement. For example, they allow less than 3 boats around a whale group.
- Other ideas:
  - Practice whale watch etiquette.



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

### NON-GOVERNMENT (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

### GOVERNMENT (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*

- Follow whale watch laws.
- Educate the passengers
- “Going whale watching?” message--this is what you should know
- Use of logs
- Interactions can have negative impact on the whale
- Recreational boaters are involved, not just commercial tour operators
- Speed limits should be established
- Nina Monasevitch--vessel strikes are the number two cause of death and speed is the main factor. Speed limits reduce vessel strikes. Other Sanctuaries have speed limits, as do many other areas around the world. HIHWNMS should have speed limits during whale season.
- Acoustical impacts
- Jens Currie--Encourage state and sanctuaries to do regulations, starting with speed limits
- Best practices approach rules
- Maxx Philips--There are mom and pop whale watches and dive encounters to include
- Jeff Walters (NMFS)--NMFS has made some improvements:
  - Consolidated call-ins to one marine wildlife emergency hotline number 1-888-256-9840
  - Need to better cope with social media reports
  - Established a centralized email address for all species, not just whales. Good way to report encounters and documentation (photos and videos). [RespectWildlife@noaa.gov](mailto:RespectWildlife@noaa.gov)
  - Encourages voluntary compliance
  - Learn from past and modernize it
- Athline Clark (PMNM)
  - Connection between potential whale population decline visitor industry
  - This (whales) is your golden goose, if you don't take care, they will not come
  - Stress the importance of this critter to our economy
- Chair Kaho'ohalahala:
  - Committees take notes, especially Education Committee
  - Incorporate this into work plan, directed to committees
  - Whales are a resource to our place
  - There is urgency
  - Kākou--support each other on this

### **Hanalei Bay Debris from Hanalei to Haena Flood 2018 (Maka'ala Kaaumoana)**

- This presentation was illustrated with a Powerpoint presentation
- This flood was first concrete example of a climate change incident
- “Rainbomb”
- 360 dump truck loads of debris were pulled out. Private efforts; no government involvement
- Update (Jean Souza):
  - DLNR Division of Aquatic Resources were in the water soon after the flood



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

### **NON-GOVERNMENT** (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

### **GOVERNMENT** (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*

- Turbidity continues to be a problem, therefore various remote sensing possibilities were explored
- NOAA Marine Debris Program provided analysis of 3-band satellite images; our request for 8-band images are in the que
- DLNR has proposed a budget item for the use of federal disaster funds for use of side-scan sonar and analysis. Awaiting approval
- Tow boards were deemed too dangerous to use because of continued turbidity of nearshore waters
- For the future (Discussion):
  - Hanalei should pursue benchmarks of the benthic environment to assess changes in the future
  - HIHWNMS should be involved in update of Hanalei to Haena Community-Based Disaster Resilience Plan
  - HIHWNMS should be ready to respond to something like this. Plan for it with rapid response access to images and side scan sonar
  - Biological monitoring with Hawaii Institute of Marine Biology in cooperation with 20-plus years of monitoring by Drs. A. Friedlander and E. Brown

### **SAC Committee Workplans (Chair Kaho'ohalahala)**

- Update on SAC Recruitment (Cindy Among-Serrao):
  - SAC recruitment will be carried out in phases on a quarterly basis. Priority will be on filling vacant primary seats and alternate seats
  - Cindy showed a slide of the phasing of the recruitment process
- SAC Chairs Summit (Chair Kaho'ohalahala)
  - Ok. Current
  - Will hold conference call meetings if face-to-face meetings are not possible
- Update of SAC Committee Workplans (Sol Kaho'ohalahala and discussion)
  - Constituency representation
  - Initiatives Plan (IP) may not be active
  - Council wants to initiate things; they need to get this into the workplan process
  - After-the-fact initiation of plans
  - Local chapter of National Marine Sanctuary Foundation
    - Hawai'i chapter no longer exists
    - Move to a joint committee with RAC/SAC
  - Governance structure
  - Site-specific issue
  - Invite Navy, U. S. Bureau of Ocean Energy Management, State
  - Programmatic areas
  - Sub-committee work contributes to programmatic work
- Research Committee Workplan
  - Research and management workplan should change timetable to what Science Coordinator Marc Lammers is doing
  - Research collaboration/Partnerships



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

### **NON-GOVERNMENT** (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

### **GOVERNMENT** (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*

- Still relevant
- Update education
- Current and keep
- Enforcement
  - Re-initiate annual updates
  - keep
- Entanglement
  - Ongoing

### ● Conservation Committee Workplan

- Climate impacts
- Federal and state agency outreach
- November researchers meeting
- Webstory link
- Work on defining “habitat”; develop what “habitat” might be

### ● Education Committee Workplan

- Visitor center and partner facilities
- Training and capacity building for students
- Easier when permanent sanctuary superintendent is on duty
- SAC members will not be developing programs; they will contribute as guest lecturers
- Ocean Count
  - Leave as is
- Climate literacy
  - Joint RAC/SAC
  - Albatross would link monument and HIIHW sanctuary; seek connections
- Agency
  - BOEM
  - Gap in how BOEM relates/does not relate with sanctuary
  - Help BOEM

### **Public Comment Period at 3:00 pm: No Comments**

### **Media, Education and Outreach Committee Workplan**

- Talked about it today; incorporate
  - High impact message
  - Leveraging
    - Summer 2020 National Marine Educators Association (NMEA) will be in Hawai‘i for a national conference
    - Oceania
    - Sponsorships through NMFS
    - Presentations
    - Get on the 2020 agenda

### **Native Hawaiian Committee Workplan**

- Native Hawaiian communities
  - Attempting to make this integrated into all work



## Hawaiian Islands Humpback Whale National Marine Sanctuary Advisory Council

### **NON-GOVERNMENT** (Voting)

Vacant  
*Business Commerce*

Vacant  
*Commercial Shipping*

Barbara (Maka'ala) Kaaumoana  
*Conservation*

Judith Lemus  
*Education*

Myrick (Rick) Gaffney  
*Fishing*

Steve Turner  
*Hawai'i Island*

Vacant  
*Oahu Island*

Nina Monasevitch  
*Kaua'i Island*

Solomon Pili Kaho'ohalahala  
*Lana'i Island*

Robin Newbold  
*Maui Island*

Vacant  
*Moloka'i Island*

Vacant  
*Native Hawaiian*

Jim Coon  
*Ocean Recreation*

Mark Deakos  
*Research*

Vacant  
*Tourism*

Tara Leota  
*Whale Watching*

### **GOVERNMENT** (Non-Voting)

Leo Asuncion  
*DBEDT – Office of Planning*

Veronica Rocha  
*DBEDT Renewable Energy*

Maria Carnavale  
*Division of Aquatic Resources*

Alec Wong  
*DOH*

Sandra Rossetter  
*DOT – Harbors*

Keola Lindsey  
*OHA (Voting)*

Josh Jankot  
*Hawaiian Islands  
Humpback Whale NMS*

Athline Clark  
*Papahānaumokuākea MNM*

Jeffrey Pollack  
*NOAA OLE*

Jeff Walters  
*NOAA Fisheries PIRO*

Eric Kingma  
*WESPAC (Voting)*

Tunis McElwain  
*US Army Corps of Engineers*

Eric Roberts  
*US Coast Guard*

Janice Fukawa  
*US Navy*

- Leave it for now
- Island reps suggest island-sourced groups
- Relevant and continue to develop
- Eia no ke kumu
  - We have a lot to learn from our place
  - Our place will define the culture

### **Update on Committee Chairs and Committee Members**

- Conservation—Maka'ala Kaaumoana
- Education--Judy Lemus
- Native Hawaiian--Sabra Kauka
- Research--Mark Deakos
  
- Reminders:
  - Members should also look at alternates for committee assignments
  - Look at Charter
  - Membership terms
  - Committees
  - Clarity of requirements for recruitment
  - Information to be given out to all members

### **Next Steps:**

- Review and prioritize revised workplan before next meeting
- Next meeting: Confirm what committees will accomplish
  - It is ok to work and accomplish some items in the work plan prior to the next meeting
    - Committee chairs can conference in members and coordinate their committees so that the committee can be in touch and do work prior to the next face-to-face meeting
- **Question: What are the rules on dolphins?**
  - Answer: NOAA Fisheries is looking at it

### **Meeting Adjourned at 3:35 pm**

- Chair Kaho'ohalahala: Look at good, productive outcomes in light of situations. Let's take that on!