



Fish Contamination Education Collaborative Partners Meeting

10 AM to 12 PM

NOAA Restoration Center
501 West Ocean Blvd, Suite 3400
Long Beach, California

Attendees:

Boat People SOS (BPSOS):

Hang Nguyen
Evertenn Tran

California Department of Fish and Wildlife (CDFW):

Patty Velez

California Department of Toxic Substance Control (DTSC):

Tim Chauvel
Eileen Mananian

Chinese Herald Community Center (CHCC):

Rebecca Soong

City of Long Beach:

Monica Cardenas
Craig Wong

EA Engineering, Science, and Technology, Inc.

(EA):

Laura Levine

Heal the Bay (HtB):

Frankie Orrala
Dana Murray

Los Angeles County Department of Public Health (LACDPH):

Cindy Chen
Obi Ogamba

LACDPH Toxics Epidemiology Program:

Robert Vasquez
Evenor Masis

Los Angeles County Sanitation Districts:

Chi-Li Tang

Santa Monica Bay Restoration Commission (SMBRC):

Guang-Yu Wang

U.S. Environmental Protection Agency (EPA):

Judy Huang
Liv Trombadore
John Chesnutt

SEA Lab

Linda Chilton

1. Welcome – Laura Levine, EA

Laura Levine opened the meeting by thanking partners for their participation and requested that everyone sign in. She mentioned that this is an update from the last meeting and that data summarized in the presentations will be the period between July 2016 and March 2017.

Judy Huang of EPA introduced herself as the EPA Remedial Project Manager who works on the community involvement and technical portions of the project. She thanked everyone for participation on the Palos Verdes Shelf community involvement program and indicated the success was due to the partners' efforts. Ms. Huang said that a more complete update

on the technical portion of the project will be provided during the next Palos Verdes Shelf Technical Information Exchange Group meeting planned for June 2017. EPA is currently evaluating the 2009 and 2013 data.

Dana Murray of HtB asked if the reef project will be delayed due to the schedule of the Palos Verdes Shelf remedy. Ms. Huang responded that the National Oceanic and Atmospheric Administration (NOAA) is the point-of-contact for those questions.

Ms. Huang asked that the partners introduce themselves.

Liv Trombadore of EPA introduced herself as the new Remedial Project Manager that will replace Judy Huang for the community involvement portion of the PVV Shelf Project. She recently graduated from the University of Southern California with an undergraduate degree in Environmental Studies.

John Chesnutt of EPA introduced himself as Judy's manager. He mentioned his involvement at multiple sediment sites and indicated the successful implementation of community outreach at Palos Verdes Shelf is used as a precedent for similar EPA sites

Ms. Levine reviewed the agenda and thanked NOAA for use of the facility for the meeting. She presented a summary of the program data since the last meeting in July 2016. The data summary included the total number of people contacted through the various outreach programs. See EA's [presentation slides](#) for more information.

Pier Angler Outreach:

Includes outreach data from HtB and Cabrillo Marine Aquarium (Cabrillo).

- Angler outreach contacted 8,767 people
- 4,251 were new (48 percent)
- 6,789 were aware of the contamination (77 percent)
- ~3,800 tip cards were distributed.

Community Outreach:

Includes outreach data from HDR, Inc. (HDR), BPSOS, and CHCC.

- 28 events attended, over 12,000 tip cards handed out
- Vietnamese and Chinese audiences
- Included Hispanic and African American audiences
- 40 bait shops were visited, 3,360 tip cards distributed.

Ms. Levine gave an update on the print materials. Angler outreach groups received a new supply of materials in December 2016. They are currently using up their supply so a new request will be sent to EPA's Government Printing Office. Outreach groups primarily use the tip cards and information brochures in English, Spanish, Vietnamese, and Chinese.

Additionally, they use NOAA publications, particularly the *What's the Catch* comic book, to supplement the inventory.

Ms. Levine provided a graphic showing the total number of anglers contacted between July 2016 and March 2017 (combining data from Cabrillo and HtB), by month. There was a decrease in anglers contacted at the piers during the fall and winter months (October 2016 through February 2017). Peak outreach occurred during summer (July 2016). Angler outreach has increased during March 2017 due to the warmer weather. Ms. Levine also presented a graphic showing the distribution of tip cards handed out in each language among the angler outreach groups. HDR distributed tip cards in all four languages while BPSOS and CHCC primarily distributed Vietnamese and Chinese, respectively. HtB and Cabrillo primarily distributed tip cards in English and Spanish.

Ms. Levine provided an update on the pier sign condition since the last meeting. Based on Cabrillo and HtB pier monitoring activities, eight damaged signs were identified for replacement on the Santa Monica (2), Venice (3), Pier J (2), and Rainbow Harbor (1) piers. EA coordinated the replacement with LACDPH and City of Long Beach. LACDPH replaced the signs at Santa Monica and Venice piers last week (week of 10 April 2017). The City of Long Beach will replace the signs at Pier J and Rainbow Harbor.

2. Angler Outreach Updates

Heal the Bay Update

Frankie Orrala discussed the mission of HtB in general and then the objectives of the pier outreach program. He listed the eight piers where HtB conducts the educational outreach, noting that they generally conduct outreach three times per week. Mr. Orrala listed the names of the people on their outreach team, noting that most of them are bilingual with the capacity to conduct the outreach in Spanish, Chinese, Russian, or Tagalog. See [HtB's presentation slides](#) for more information.

From July 2016 to March 2017, HtB's outreach team has contacted 7,513 anglers; 49.5 percent of those are "new" participants (meaning they hadn't received outreach previously). Additionally, 77 percent of the anglers reached were aware of the contamination. Mr. Orrala then provided a bar graph depicting the new and repeat participants in total (all piers), by month, and then several graphs that indicated the number of participants per month by pier. The numbers showed similar trends with increased numbers of participants as the summer reached its peak in July and August 2016. Based on the data presented, spring and summer are the busiest months with the highest number of new anglers. The busiest piers with the maximum amount of new anglers are Belmont, Redondo Beach, and Venice Beach. Outreach activities were performed during the day but there is a group of anglers observed at night. Pier outreach outside of daylight hours could be considered, but there are safety concerns. Mr. Orrala mentioned that he has been involved in the program since 2004 and noticed that second generation anglers continues to

grow each year. The Belmont pier was closed for a period in March 2017 to fix the boat ramp. Seal Beach was also closed for a period.

Tim Chauvel of Department of Toxic Substances Control (DTSC) asked what percent of the total anglers reached over the past 13 years (~140K) were repeat. Mr. Orrala responded that it was approximately 40 percent. Mr. Chauvel then asked if angler addresses were obtained. Mr. Orrala said that HtB keeps track of zip codes to determine if anglers came from coastal or inland areas. Ms. Huang said that EPA asked HtB not to collect additional data that would require approval from the Office of Management and Budget. Therefore, the minimal amount of data to get an idea of the angler population is reached. Mr. Orrala mentioned that HtB collects more data than what is presented. Many anglers, particularly illegal immigrants, are uncomfortable providing more information in fear of deportation.

Patty Velez of the CDFW asked Mr. Orrala to clarify that the angler information collected includes zip codes but not addresses and phone number. Mr. Orrala confirmed and added that the type of fish collected is also recorded. Mr. Chauvel asked if HtB keeps track of the fish consumed versus released. Ms. Huang responded that the data exists and it showed that anglers either still eat this fish, throw it back to the water, or give it to friends and/or relatives. Mr. Orrala indicated that in the past, anglers felt confronted by do not consume (DNC) fish warnings. Therefore, the message changed to make anglers aware and educate them on fish preparation if they chose to consume contaminated fish.

Mr. Orrala said that the percentage (77 percent) of anglers aware is tricky because often anglers may be aware of contamination that is unrelated to Palos Verdes Shelf. For instance, anglers may be aware of mercury contamination but not of the dichloro-diphenyl-trichloroethane (DDT) and polychlorinated biphenyls (PCBs). However, because HtB only asks if the anglers are aware of the contamination, this is included in the percentage. Ms. Huang suggested adding a sub-question to find out if anglers are aware of the DDT and PCB contamination. She also suggesting having a conference call with EPA, Cabrillo, and HtB, along with other interested FCEC partners to provide input.

Eileen Mananian of DTSC asked if the angler's perception changes when they are aware of DDT and PCB contaminated fish. Are those that are willing to ingest mercury contaminated fish also willing to ingest DDT and PCBs? Mr. Orrala says the repeat anglers are doing so and in these cases HtB provides education on preparing the fish for safer ingestion. Ms. Murray of HtB and Ms. Huang stated that HtB outreach is not only surveys but also includes one-on-one education of the pier anglers and referral to the FCEC partner website.

Ms. Murray indicated that Redondo Pier has a growing community of Filipino anglers that are present at night. Night outreach is a consideration to reach these anglers. Ms. Huang suggested having a call with HtB to discuss this option.

Mr. Orrala presented a summary of the DNC fish sign condition for each pier. He reported a total number of 33 signs were present. Of these, eight need replacement, as mentioned

above. Mr. Chauvel asked if the signs are strong enough to withstand weather conditions such as the recent storm events. Mr. Orrala responded that the damaged signs are a result of the location on and how they are secured to the pier. The ideal sign height is 9 feet off the ground.

ACTION ITEMS:

- ***EA to send an email to provide input and/or interest in participating in a conference call on the angler outreach survey forms regarding awareness of contamination. EA will then set-up a conference call with EPA, HtB, Cabrillo, and interested FCEC partners.***
- ***EA to set-up a conference call with EPA and HtB to discuss outreach during night hours.***

Cabrillo Marine Aquarium Update

Ms. Levine presented the update for Alfonso Montiel of Cabrillo, who performs similar work to HtB, at Cabrillo pier. More anglers are being observed at Cabrillo pier now that it is spring. Fewer anglers were seen during the fall and winter months. Due to the storm events, mainly locals were visiting the piers. The Pacific mackerel, halibut, perch, short barracuda, barred sand bass, a few white croaker, scorpion fish, and topsmelt have been observed and reported on the pier. The DNC fish signs are in ok to good condition and will continue to be monitored. Signs that are damaged and need replacement will be reported to EA.

3. Enforcement Update

Los Angeles County Department of Public Health (Update)

Cindy Chen of LACDPH spoke briefly about her group's enforcement activities, including restaurants and market inspections. Enforcement activities will be performed in July 2017. As part of the inspections, they check invoices. White croaker has not been observed in the past 3 years. Ms. Trombadore asked how the survey list is determined. Ms. Chen responded that it is a list provided by EPA and it includes 27 restaurants and 34 markets that are ethnic and sell seafood. The restaurants and markets are primarily located in east and downtown Los Angeles. Ms. Huang said that the original list provided by EPA was based on stakeholder input and included restaurants and markets that are likely to illegally sold white croaker.

City of Long Beach

Monica Cardenas of the City of Long Beach mentioned that their new EPA grant started March 1, 2017 and that the City has completed all their deliverables for the past grant. They are currently working on reporting. Before March 2017, the City went to new ethnic restaurants (e.g., Thai, Chinese, Mexican) and they were not aware of the contamination. The City conducts 15 retail inspections per quarter and outreach to restaurants and markets. No white croaker was found during the past 3 years of inspections. As part of the

inspections, the market or restaurant is asked where the fish is from and the invoice is checked. Retailers are required to purchase fish from licensed vendors.

In March 2017, Ms. Cardenas attended the Kids in the Kitchen event to teach children how to cook healthy. There were 120 English and 80 Spanish tip cards distributed. She ran out of tip cards last week during Public Health Week.

Ms. Cardenas indicated that community health training includes Tagalog, Spanish and English. Four new inspectors require fish identification training. She also indicated that an enforcement questionnaire is needed. Ms. Huang said that the LACDPH can help.

California Department of Fish and Wildlife

Ms. Levine presented CDFW's commercial and recreational inspection updates on behalf of Cyndy Pourroy. Most issues related to the enforcement of Palos Verdes Shelf restrictions, have remained constant.

The previous EPA grant ended in January 2016 and the new one began on July 1, 2016. However, it was not released until fall, so the enforcement contacts were greatly reduced in 2016. No commercial landings of white croaker were observed over the past 3 years. Commercial vessels no longer fish for white croaker or even attempt inside the closed area. Regular sport anglers are mostly aware of the contamination issues but still choose to keep any white croaker they catch for consumption. Occasional sport anglers from out of the area seem unaware of the contamination issues and still require education. There was only one citation issued related to white croaker in this past year, which was for taking over the allowed limit of 10 white croakers, which they had every intention of eating. The commercial markets are mostly aware of the restrictions on white croaker in the affected areas. CDFW have not received requests for joint fish business inspections since spring of last year. There are several new wardens/wildlife officers that are eager to work the Palos Verdes Shelf concerns. She provided them with training and they began working in March 2017. They will begin market inspections soon. Any agency wanting to do joint market inspections, please contact Ms. Pourroy. The department is also low on hand out material for anglers/public.

ACTION ITEMS:

- ***EA to follow-up with Ms. Cardenas and Ms. Pourroy regarding tip card inventory.***
- ***EA to setup a fish identification training workshop for new inspectors.***
- ***EA to follow-up with Ms. Cardenas, LACDPH, and EPA regarding development of an enforcement questionnaire.***
- ***Ms. Cardenas to follow-up with EPA regarding the budget for pier sign replacements.***

4. Community Outreach Update

LACDPH Toxics Epidemiology Program

Evenor Masis provided an update on the DNC fish sign inventory at the piers (Santa Monica to San Pedro areas). There are a total of 49 signs, of which 15 needed cleaning and 12 were replaced. The signs were replaced last week. The damaged signs are primarily due to location on the pier and environmental conditions (e.g., rust and sunlight). Mr. Masis used the graphics from the [HtB presentation](#) to point out which signs were maintained. At the Santa Monica pier, sign #1 could not be replaced due to construction, #5 was moved to the left/placed higher off the ground, and #4 was also placed higher off the ground. At the Venice pier, only signs #5 and #7 were replaced. There is no other location to put signs but there are enough at this location. Therefore, he suggested removing sign #6.

More than 52 new public health nurses were educated on fish contamination. The LACDPH website includes a link to the FCEC partner website that they keep updated. Additionally, the LACDPH maintains a phone line to answer questions and refer people to the FCEC partner website.

Vietnamese Outreach by Boat People SOS

Hang Nguyen summarized the community outreach activities performed between July 2016 and March 2017. Specifically, the following events were attended. See [HDR's presentation](#) for more information.

- OCAVMHAS Walk With Us – September 10, 2016
 - 154 event attendees
 - Distributed 150 Vietnamese and 50 English tip cards
- Emergency Preparedness Health Fair – September 24, 2016
 - 50 event attendees
 - Distributed 100 Vietnamese and 40 English tip cards
- Nhan Hoa Comprehensive Healthcare Clinic's Fall Health Fair – October 22, 2016
 - 150 event attendees
 - Distributed 200 Vietnamese and 20 English tip cards
- Vietnamese Physicians Association of Southern California Free Health Fair – October 23, 2016
 - 600 event attendees
 - Distributed 500 Vietnamese and 20 English tip cards
- Community Health Fair – November 10, 2016
 - 50 event attendees
 - Distributed 60 Vietnamese and 10 English tip cards
- Great American Smokeout – November 17, 2016
 - 50 event attendees

- Distributed 40 Vietnamese and 20 English tip cards
- UDW Health Fair – November 18, 2016
 - 450 event attendees
 - Distributed 300 Vietnamese and 50 English tip cards
- Santiago High School Resource Fair – January 26, 2017
 - 150 event attendees
 - Distributed 20 Vietnamese and 10 English tip cards
- GGUSD Resource Fair for School Community Liaisons – February 3, 2017
 - 150 event attendees
 - Distributed 50 Vietnamese and 50 English tip cards
- Immigration Town Hall – February 9, 2017
 - 70 event attendees
 - Distributed 40 Vietnamese and 10 English tip cards
- Lincoln Adult Center (DACA) – February 22, 2017
 - 200 event attendees
 - Distributed 100 Vietnamese and 75 English tip cards
- Los Amigos High School (DACA) – March 9, 2017
 - 50 event attendees
 - Distributed 20 Vietnamese and 20 English tip cards
- City of Westminster’s 60th Anniversary – April 8, 2017
 - 500 event attendees
 - Distributed 250 Vietnamese and 100 English tip cards

Ms. Nguyen noted that BPSOS is working the local law enforcement and responders. There is an increase in participation from the Spanish-speaking community. BPSOS also indicated more hand out material is needed and in Spanish. NOAA’s *What’s the Catch* comic book is popular and Ms. Nguyen has contacted NOAA to pick up more materials.

Chinese Community Outreach by Chinese Herald Community Center

Ms. Soong summarized the community outreach activities performed between July 2016 and March 2017. Specifically, the following events were attended. See [HDR’s presentation](#) for more information.

- Thanksgiving Dinner (Rowland Heights) – November 6, 2016
 - 270 event attendees
 - Distributed 248 Chinese tip cards
- Health Fair (Covina) – November 12, 2016
 - 300 event attendees
 - Distributed 19 Chinese and 33 English tip cards
- Turkey Trot (Covina) – November 19, 2016
 - 300 event attendees
 - Distributed 30 Chinese and 55 English tip cards
- Lunar New Year Celebration (Temple City) – February 4, 2017

- 400 event attendees
 - Distributed 110 Chinese tip cards
- Lunar New Year Festival (Alhambra) – February 11, 2017
 - 8,000 event attendees
 - Distributed 575 Chinese and 100 English tip cards
- Walk-a-thon – March 25, 2017
 - 500 event attendees
 - Distributed 302 Chinese, 100 English, and 22 Spanish tip cards
- Whittier Earth Day – April 8, 2017
 - 3,000 event attendees
 - Distributed 294 Chinese and 152 English tip cards

Like BPSOS, CHCC is seeing increased participation from the Spanish community at the events. During the events, they came across people that were not aware of the contamination. Similar to HtB, they encountered fisherman that claimed they were aware mercury contaminated fish, not DDT and PCBs. Additionally, they met teachers and parents that were interested in outreach at their school. CHCC is also in need of more print materials in Spanish. Under separate funds, CHCC purchased handouts which attract more people. Ms. Huang said it is against the federal rules to purchase give aways. In the past, EPA was denied approval to purchase coloring books, crayon packages, stickers, and plastic buckets with the FCEC logo. The fishing game remains successful. They have one fishing game which is usually occupied. A second game could provide more traffic. CHCC was asked if they considered outreach at the Walnut Festival in Rolling Hills. Ms. Soong responded that they attended it in the past and it was not successful. There are a lot of attendees but they appear uninterested and do not take tip cards.

HDR, Inc., EA team subcontractor

Community Events

On behalf of Samantha Foley, Ms. Levine summarized the community outreach activities performed between July 2016 and March 2017. Specifically, the following events, targeting Spanish, English, and African-American groups, were attended. See [HDR's slides](#) for more information.

- African American Festival – February 25, 2017
 - 6,000 event attendees
 - Distributed 250 English, 30 Spanish, 6 Chinese, and 5 Vietnamese tip cards
- Lantern Festival – March 4, 2017
 - 8,000 event attendees
 - Distributed 400 English, 200 Spanish, 60 Chinese, and 10 Vietnamese tip cards
- Santa Monica STEAM Machines – March 5, 2017
 - 300 event attendees
 - Distributed 75 English and 10 Spanish tip cards

- Noche de Estrellas – March 24, 2017
 - 800 event attendees
 - Distributed 70 English, 80 Spanish, 6 Chinese, and 2 Vietnamese tip cards
- Los Angeles Environmental Education Fair – March 11, 2017
 - 500 event attendees
 - Distributed 90 English and 10 Spanish tip cards

Ms. Levine indicated that the events attended by HDR were more diverse this year due to comments received during the last FCEC partner meeting. HDR spent some time researching and selecting new events to attend. There was a lull in activity between July and December 2016 due to the lack of print materials. Upon receipt of print materials in December 2016, the community outreach has resumed. Like BPSOS and CHCC, HDR also reports success from the fishing game.

Bait Shop Outreach

Ms. Levine also summarized the outreach activities performed at 40 bait shops located, from north to south, in Huntington Beach, Seal Beach, Long Beach, San Pedro, Redondo Beach, Hermosa Beach, Manhattan Beach, Hawthorne, Marina Del Rey, Venice, and Santa Monica. The first round of bait shop outreach was conducted in March and April 2017. Based on information during the last FCEC partners meeting, 9 bait shops that overlapped with the HtB outreach activities were replaced with new bait shops. HDR reached out to 65 potential bait shops to replace the nine overlapping shops. The bait shops removed and their replacement shops are in the table below.

<i>Area</i>	<i>Removed Shops</i>	<i>Replacement Shops</i>
1	Lincoln-Pico Sporting Goods, Santa Monica	Scubahaus, Santa Monica
1	Santa Monica Pier Bait and Tackle	Adventure 16, Santa Monica
1	Nick's Liquor Store, Venice Beach	Big 5 Sporting Goods, Culver City
2	Redondo Coffee Shop & Bait, Redondo Beach	Catalina Liquor & Deli, Redondo Beach
2	Robert's Liquor, Hermosa Beach	Dawn to Dusk Liquor, Hermosa Beach
3	22nd Street Landing Sport Fishing, San Pedro	Mr. C's Liquor, San Pedro
3	Beach City Market, San Pedro	Pacific Wilderness, San Pedro
3	The Rusty Hook, San Pedro	Baja Fish Gear, Lomita
4	Buoy's On The Pier, Long Beach	7 Eleven (Ocean Blvd.), Long Beach

The 40 bait shops reached and tip card distribution in English (E), Spanish (S), Chinese (C), and Vietnamese (V) are bulleted below.

- Bay Market: 20 E, 20 S, 20 C, 20 V
- Del Rey Landing: 20 E, 20 S, 20 C, 20 V
- West Marine (1): 20 E, 20 S, 20 C, 20 V
- Scubahaus (NEW): 20 E, 20 S, 20 C, 20 V
- Big 5 Sporting Goods (NEW): 20 E, 20 S, 20 C, 20 V

- Adventure 16 (NEW): 20 E, 20 C
- Best Bait and Tackle: 20 E, 20 S, 20 C, 20 V
- Manhattan Grocery: 20 E, 20 S, 20 C, 20 V
- Redondo Beach Sport Fishing: 20 E, 20 S, 20 C, 20 V
- Redondo Coffee Shop & Bait: 20 E, 20 S, 20 C, 20 V
- Liquor Depot: 20 E, 20 S, 20 C, 20 V
- West Marine (2): 20 E, 20 S, 20 C, 20 V
- Catalina Liquor & Deli (NEW): 20 E, 20 S, 20 C, 20 V
- Dawn to Dusk Liquor (NEW): 20 E, 20 S
- Vista Liquor: 20 E, 20 S, 20 C
- Stanley's Liquor Jr. Market: 20 E, 25 S, 20 C
- Gaffey Liquor: 20 E, 20 S, 20 C
- Hello Liquor: 20 E, 20 S, 20 C
- Kelly Marine: 20 E, 20 S, 20 C
- M&P Liquor: 20 E, 20 S, 20 C, 20 V
- West Marine (3): 20 E, 20 S, 20 C
- Pacific Wilderness (NEW): 20 E, 20 S, 20 C
- Baja Fish Gear (NEW): 20 E, 20 S, 20 C
- Mr. C's Liquor (NEW): 20 E, 20 S, 20 C
- Pete's Market: 20 E, 20 S, 20 C, 20 V
- Rosa's Liquor Market: 20 E, 20 S, 20 C, 20 V
- 7 Eleven (Pine Ave.): 20 E, 20 S, 20 C, 20 V
- Magnolia Liquor Jr. Market: 20 E, 20 S, 20 C, 20 V
- West Marine (4): 20 E, 20 S, 20 C, 20 V
- Big Fish Bait & Tackle: 20 E, 20 S, 20 C, 20 V
- ARCO: 20 E, 20 S
- ABC Fine Wine: 20 E, 20 S, 20 C, 20 V
- Jimmy Caivo Bait & Tackle: 20 E, 20 S
- Seal Beach Liquor Store: 20 E, 20 S
- 7 Eleven (Ocean Blvd.) (NEW): 20 E, 20 S, 20 C
- Charkbait: 20 E, 20 S, 20 C, 20 V
- Fisherman's Hardware: 20 S, 20 V
- Let's Go Fishing: 20 E, 20 S, 20 C, 20 V
- Mahi Tackle-Sport Fishing Supplies: 20 E, 20 S, 20 C, 20 V
- Pacific Edge Bait & Tackle: 20 E, 20 S, 20 C, 20 V

Based on information provided by HDR, the new replacement shops were very receptive to displaying the FCEC message. Some shops only requested tip cards in specific languages based on their known clientele. Many of the shops had distributed all of the materials that were provided during the previous visit. During the outreach, HDR noticed that many of the plastic tip card holders were missing and should consider replacing.

HDR began activities to engage the Los Angeles Unified School District (LAUSD) in effort to educate non-English speaking adults through their children. HDR targeted efforts in the South, Central, and East Districts and requested to attend events and distribute materials to students. HDR contacted K-12 Science Specialists, the Division of Instruction, Elementary and Middle School Science, Student Medical Services, and the Office of Environmental Health & Safety. These entities did not provide much help to facilitate outreach in the LAUSD. Ms. Murray suggested the CREEK environmental education as a possibility for outreach. There is also an upcoming science fair on April 29, 2017. Ms. Nguyen also said she had some liaisons she can provide contacts for.

ACTION ITEMS:

- ***HtB and LACDPH to remove tracking of sign #6 at Venice pier and sign #1 at Hermosa pier. See HtB presentation for sign # and location.***
- ***EA to follow-up with the angler outreach groups on the print material inventory and request through EPA's Government Printing Office.***
- ***EA and EPA to follow-up with Gabrielle Dorr/NOAA to obtain more "What's the Catch" comic books.***
- ***BPSOS, Dana Murray/HtB, Rebecca Soong/CHCC, and Linda Chilton/SEA Lab to provide EA and HDR contacts to reach the LAUSD for outreach.***

5. Open Forum

- Mr. Chauvel asked if any media outreach was being conducted. Mr. Orrala responded that they used to broadcast on TV during 2005-2006. Ms. Huang responded that when the results of the technical data is released to the public, she anticipates news channels requesting interviews. The report is expected to be released by the end of 2017.
- Ms. Murray suggested revising the survey question on angler awareness to ask where anglers received their information (e.g., previous outreach, newspaper, other).

6. Meeting Adjournment

Ms. Levine closed the meeting with thanks to all.



Sign-in Sheet: Please verify/Correct your contact information

Name	Organization	Email	Initials
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