



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
Chelsea Ho

California Department of Fish and Wildlife (CDFW):

Patty Velez
Lieutenant Don Nelson

California Department of Toxic Substance Control (DTSC):

Tim Chauvel
Ted Peng
Daniel Cordero

Chinese Herald Community Center (CHCC):

Rebecca Soong

City of Long Beach:

Monica Cardenas

EA Engineering, Science, and Technology, Inc.

(EA):
Laura Levine

Heal the Bay (HtB):

Frankie Orrala
Katherine Pease

HDR, Inc. (HDR)

Lauren Hillman

Los Angeles County Department of Public Health (LACDPH) Toxicology and Environmental Assessment Branch:

Alberto Rivadeneyra Jr
Cindy Chen
Evenor Masis
Gail Morrison
Barbara DeRidder

Los Angeles County Sanitation Districts (LACSD):

Chi-Li Tang

Los Angeles Regional Water Quality Control Board (RWQCB)

Thanhloan Nguyen

National Oceanic and Atmospheric Administration (NOAA)

David Witting

U.S. Environmental Protection Agency (EPA):

Judy Huang

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. Ms. Levine reviewed the agenda and thanked NOAA for use of the facility for the meeting. She mentioned that this is an update from the last meeting in January 2018 and that data summarized in the upcoming presentations will be the period between January 2018 and March 2019.

Judy Huang of EPA introduced herself as the EPA Remedial Project Manager (RPM) who works on the community involvement and technical portions of the of the Palos Verdes Shelf (PVS) project. She mentioned that Liv Trombadore, who was formerly introduced as the new RPM for PVS, will not be taking over the site because she is working as an On-scene Coordinator in another division of EPA. Ms. Huang thanked everyone for their continued PVS community involvement support and stated that the project's success was due to the partners' efforts. She gave a brief description on the history of contamination and a technical update. Data collected since 2009 shows that the site is different than the conceptual site model. She is working on a contract to prepare a Feasibility Study with human health and ecological risk assessments.

2. Angler Outreach Update

Program Outreach – Laura Levine/EA

Ms. Levine presented a summary of the program data since the last meeting in January 2018. The data summary included the total number of people contacted through the various outreach programs. See [EA's presentation slides](#) for more information. The following is a brief summary of the program outreach data.

Pier Outreach:

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

- Angler outreach contacted 14,487 people
- 6,856 were new (47 percent)
- 10,767 were aware of contamination (~74 percent)
- 6,866 tip cards were handed out.

Community Outreach:

Includes outreach data from HDR, BPSOS, and CHCC.

- 28 Events Attended, ~39K Attendees, ~5,750 tip cards handed out
- Vietnamese and Chinese audiences
- Included Hispanic and African American audiences
- 40 bait shops were visited, ~2,035 tip cards distributed.

Ms. Levine provided a graphic showing the total number of anglers contacted January 2018 March 2019 (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 2018 through February 2019). Peak outreach occurred during summer/warmer months (June through September 2018). Ms. Levine also presented a graphic showing the distribution of tip cards handed out in each language among the outreach groups. HDR distributed tip cards in four languages (English, Spanish, Chinese, and Vietnamese) at the local community events. BPSOS distributed tip cards in English, Vietnamese, and some Spanish at Vietnamese focused community events. CHCC distributed tip cards in English and Chinese at Chinese focused community events. HtB also distributed tip cards in all four languages at the piers.

Cabrillo distributed tip cards in English and Spanish at the piers. Of the total tip cards distributed (12,616), 60 percent were in English, 20 percent in Chinese, and 10 percent each in Spanish and Vietnamese. Based on the data collected by HtB and Cabrillo in the Education Tally Sheets, the primary source of pier angler awareness was the pier angler outreach partners (66 percent) and “Do Not Consume” (DNC) fish signage (27 percent) on the piers.

Ms. Levine highlighted the major program updates since the last meeting.

- LACSD hosted an Ocean Monitoring Field Demonstration boat tour for the FCEC partners on 30 May 2018. The tour included a presentation on the PVS site, history of contamination, and Institutional Controls Program. The LACSD performed field demonstrations of kelp collection, shallow water trawl, and benthic sediment sampling.
- A fish identification training was held for LACDPH and City of Long Beach (16 attendees) on 8 August 2018 in Long Beach, California. Dr. Michael Franklin from California State University Northridge conducted the training.
- Based on the success of HtB’s pilot night outreach program during August-October 2017, night outreach was implemented in October 2018 at Venice and Redondo Beach piers.
- The 2018 annual report recommendations included updates to the fishing game and booth display board for community events, improving the FCEC and Facebook web pages to increase online traffic, and revise community outreach materials (e.g., additional languages, update the curriculum guide).
- Based on pier monitoring activities through March 2019, 3 DNC fish signs were identified for replacement on the Santa Monica (2) and Rainbow Harbor (1) piers. LACDPH replaced the signs at Santa Monica and The City of Long Beach will replace the DNC sign at Rainbow Harbor.

ACTION ITEMS:

- **Monica Cardenas/City of Long Beach to install a DNC fish sign at Rainbow Harbor and notify Laura Levine/EA once completed.**

Cabrillo Marine Aquarium Update – Laura Levine on behalf of Carl Carranza/Cabrillo

Ms. Levine presented the update for Carl Carranza of Cabrillo, who performs similar work to HtB at Cabrillo pier. Cabrillo performed outreach at the pier 3 days per week during morning (7-9 am) and late afternoon (4-6 pm). During the reporting period, 2,214 anglers were reached. Of those reached, 34 percent were new anglers and 85 percent were already aware of the contamination. Cabrillo noted that during the week, a fair number of anglers have not had contact with the angler outreach partner and were happy to receive the information. During the weekend, Cabrillo observed that many, if not most, of the anglers have had contact with an angler outreach partner on Cabrillo or another pier.

The past year was cold and wet resulting in a decreased number of anglers at the piers. The numbers of anglers on the Pier is beginning to increase with the warmer weather. Mr. Carranza reported that mackerel have been the dominate catch, with occasional perch and smelt. He heard of two white croaker sightings and one white croaker was caught. Whales have been observed in the Harbor and near the pier since February 2019.

Heal the Bay Update

Frankie Orrala discussed the mission of HtB and 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 during the day. Additionally, HtB performed night outreach at two piers once a week (Saturday). Mr. Orrala introduced the names of the personnel on their outreach team with the capacity to conduct the outreach in English, Spanish, and Chinese. See [HtB's presentation slides](#) for more information.

Between January 2018 and March 2019, HtB's outreach team contacted 11,067 anglers; 49 percent of those were "new" participants (meaning they hadn't received outreach previously). This is down from 53 percent during the last period (April 2017 - December 2018). Additionally, 77 percent of the anglers reached during the day were aware of the contamination, which is down from 85 percent during the last period. Of 688 anglers reached during the night outreach, 58 percent were new, and 47 percent were already aware of the contamination.

Mr. Orrala then provided a bar graph presenting 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 2018. Based on the data presented, spring and summer are the busiest months with the highest number of new anglers. The busiest piers are Belmont, Redondo Beach, and Venice Beach.

Based on the data collected by HtB and Cabrillo between January 2018 and March 2019, the most common awareness sources during the day outreach were the angler outreach team (67 percent) and DNC fish signs (27 percent). The remaining awareness sources were less influential such as media, friend/family, tip cards, internet, community events, and other sources (e.g., school). Similar to the day outreach, DNC fish signs and the angler outreach team were the most common source of angler awareness.

Mr. Orrala presented a summary of the DNC fish sign condition for the eight piers HtB monitors. He reported a total number of 34 signs. Replacement DNC fish signs were identified at Santa Monica and Rainbow Harbor, as mentioned previously. HtB monitors 3 of the 5 piers with the DNC fish signs at Rainbow Harbor. The City of Long Beach monitors the remaining 2 piers with DNC fish signs at Rainbow Harbor. HtB observed that 2 signs are in fair condition at Hermosa Beach pier due to the low height which anglers are able lean

on. The sign at Seal Beach is still in fair condition but the FCEC partners do not have jurisdiction over replacement of this sign.

Questions

- Tim Chauvel/DTSC asked if the signs have a barcode that can be scanned by mobile devices to get website or contact information. Ms. Huang responded that the signs do not contain a barcode and it is something we can look into in the future.
- Linda Chilton/SEA Lab asked if anglers are consuming the fish that they catch. Mr. Orrala responded that he is not sure if they follow the recommendations. For instance, the Asian community typically consumes the entire fish. Ms. Huang said that the Seafood Fish Consumption Study has information but that we do not ask anglers this question specifically.
- Patty Velez/CDFW asked if HtB will perform night outreach at Belmont pier since it is also one of the busier piers. Mr. Orrala responded that the Venice pier will be closed for 1-4 months while the Coastal Commission fixes structural issues. The project will begin after Memorial Day and last for 9 months. He said that night outreach could be performed at Belmont during this time.

ACTION ITEMS:

- ***Frankie Orrala/HtB and Laura Levine/EA to discuss night outreach at Belmont pier and provide options to EPA.***

3. Enforcement Update

Los Angeles County Department of Public Health

Cindy Chen/LACDPH spoke briefly about her group's enforcement activities, including checking invoices and displays during restaurant and market inspections. In August 2018, LACDPH inspectors participated in the Fish Identification Training. Since January 2018, inspections were performed at 34 restaurants and 37 markets that sell fish. White croaker was found but were verified through purchase orders that they were imported from China and Vietnam and not the PVS area.

Ms. Chen mentioned that there is frequent turn-over or closure of markets/restaurants and LACDPH periodically replaces the markets/restaurants and updates the list. This is a challenge because it takes a while for approval of a replacement market or restaurant after there has been a closure. The LACDPH District Surveillance Enforcement Branch is divided into 4 regions with a total of 27 offices. LACDPH performed 25 percent of inspections in each region during the last survey. She suggested that they focus on one region at a time, instead of all regions. She plans to attend the County Fair in September 2019 and will need outreach materials.

City of Long Beach

Monica Cardenas/City of Long Beach mentioned that the City conducts 15 inspections at ethnic markets and restaurants each quarter. 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. Additionally, the City of Long Beach provides messaging during the inspections such as reminding to buy from approved sources, health effects and populations at risk, reminder to keep/file invoices, identification of White croaker, and the Catch Ban. Since January 2018, 88 inspections were performed at markets (33) and restaurants (55); 15 of these inspections were joint with CDFW. She observed that the awareness was less in the restaurants than in the market inspections. Ms. Cardenas reported that 43 percent of market/restaurants were aware of the contamination. Health inspectors made up 85 percent of the awareness source while others were less influential (DNC signs [6 percent], Friend/Family [3 percent], and Other [6 percent]).

The City of Long Beach performed community outreach to the 90805-zip code to focus effort on the Latino residents which make up 42 percent of Long Beach. Since January 2018, 600 individuals were reached and 55 percent were Latino, 52 percent were between 18-45 years old, and 60 percent were female. Additionally, 9 community outreach events were performed as bulleted below. During the events a total of 490 tip cards were distributed in English (64 percent) and Spanish (36 percent).

- Kids in the Kitchen, Martin Luther King Park on 8 March 2018
- Environmental Health Fair and Family Fun Day, Burbank Elementary School – 21 April 2018
- Sustainability Resources Fair, Martin Luther King Park on 2 June 2018.
- Health and Housing Resources Fair, MacArthur Park on 23 June 2018.
- 14th Street Park Activation Resource Fair, 14th Street Park on 21 August 2018.
- Ready Long Beach, California State University Long Beach on 15 September 2018.
- CAAP Extreme Heath Community Outreach, Silverado Park on 30 March 2019.
- Long Beach Grand Prix Resource Table, Long Beach Convention Center on 14 April 2019.
- Earth Day, The Growing Experience on 20 April 2019.

California Department of Fish and Wildlife

Lieutenant Don Nelson/CDFW introduced himself and indicated that he took over for Christian Corbo who is working on other projects. CDFW performs enforcement activities (recreation and commercial boating inspections) between Seal Beach and Santa Monica. During enforcement activities, CDFW uses the tip cards and word of mouth to distribute the fish contamination information. In the 4th Quarter of 2018, 1,590 anglers were reached and 52 percent were aware of the contamination. A total of 43 boat patrol inspections were performed; 29 citations were given but none of the violations were for White Croaker in the Catch Ban area. During the 1st Quarter of 2019, 1,095 anglers were reached and 50 percent

were aware of the contamination. He noted that commercial fishing in the Catch Ban area has decreased and White croaker does not appear to be a target fish. Mr. Nelson recommended making White croaker stickers with the FCEC website address for kids who are translating to their parents who are not English speakers.

ACTION ITEMS:

- ***Laura Levine/EA to coordinate outreach materials for Cindy Chen to distribute at the County Fair in September 2019.***
- ***Cindy Chen/LACDPH to follow up with Judy Huang/EPA regarding proposed plan to focus market and restaurant inspections in the western region covering Orange County to San Bernardino.***

4. Community Outreach Update

LACDPH Toxicology and Environmental Assessment Branch

Alberto Rivadeneyra Jr introduced himself and replaced Eugene Loi/LACDPH on the project. Mr. Rivadeneyra Jr provided an overview of [LACDPH activities](#) and an update of the DNC fish sign inventory.

In April and October 2018, approximately 42 public health nurses were hired and completed orientations. LACDPH continues to maintain and update the LACDPH Toxics Epidemiology website with fish advisories and education materials. They also respond to requests for fish contamination materials from community-based organizations, health/medical professionals, public schools, and county departments. LACDPH also performed outreach to healthcare providers including obstetric and pediatrics care and delivered lectures monthly to private and county facilities. Mr. Rivadeneyra Jr provided an update on the DNC fish sign inventory. LACDPH monitors 14 piers located between Santa Monica and San Pedro. Based on the most recent pier monitoring in April 2019, LACDPH recorded 50 total signs of which 24 were cleaned and 9 were replaced. He observed that people are leaning on low signs and they are getting bent. Construction at Manhattan Beach pier has ended, and Ballona Creek construction will be ongoing.

Vietnamese Outreach by Boat People SOS

Hang Nguyen summarized the community outreach activities performed since January 2018. She indicated that BPSOS primarily targets health fairs to reach the Vietnamese community. Specifically, the following events were attended in 2018. See [HDR's presentation](#) for more information.

- Tet Festival 2018 (Costa Mesa) – 17 and 18 February 2018
 - 100 event attendees
 - Distributed 200 Vietnamese tip cards and 70 English comic books
- Health Fair by UCLA (Los Angeles) – 4 March 2018
 - 54 event attendees

- Distributed 54 Vietnamese tip cards and 20 English comic books
- Spring Festival (Westminster) – 24 March 2018
 - 19 event attendees
 - Distributed 19 English Brochures and 19 comic books
- UCLA Spring Health Fair (Los Angeles) – 22 April 2018
 - 51 event attendees
 - Distributed 26 Spanish and 25 Vietnamese tip cards, and 30 English comic books
- Vietnamese American Cancer Foundation Community Services Fair (Fountain Valley) – 25 May 2018
 - 60 event attendees
 - Distributed 60 Vietnamese tip cards and 25 English comic books
- Task Family Fun Day & Resource Fair (Costa Mesa) – 9 June 2018
 - 340 event attendees
 - 30 Vietnamese, 10 Spanish, and 10 English tip cards, and 100 English comic books
- Westminster Safety Day (Westminster) – 18 July 2018
 - 300 event attendees
 - Distributed 25 English tip cards, 25 English brochures, and 250 English comic books
- National Night Out (Costa Mesa) – 1 August 2018
 - 18 event attendees
 - Distributed 11 Spanish, 2 English, and 5 Vietnamese tip cards, and 18 English comic books
- Back to School Block Party (Orange County) – 26 August 2018
 - 500 event attendees
 - Distributed 250 Spanish, 80 English and 170 Vietnamese tip cards, and 350 English comic books

Ms. Hang mentioned that two community events will be performed in April 2019 including the City of Westminster Spring Festival (Westminster) on 13 April 2019 and the Task's 2nd Annual Family Day (Costa Mesa) on 27 April 2019. She indicated that the TET Festival was not successful because of the competition with other festivals at the same time. She observed that many community event attendees are mothers and grandmothers with children. Many take tip cards and are already aware of the contamination. The NOAA's *What's the Catch* comic book continues to be popular with children.

Chinese Community Outreach by Chinese Herald Community Center

Rebecca Soong/CHCC summarized the community outreach activities performed since January 2018. Specifically, the events bulleted below were attended in 2018. CHCC is attempting to target larger events/street fairs and outreach to parents. Ms. Soong

indicated that CHCC will attend the Moon Festival in September 2019. See [HDR's presentation](#) for more information.

- Lunar New Year (Temple City) – 3 February 2018
 - 600 event attendees
 - Distributed 340 Chinese tip cards
- Earth Day Fair (Whittier) – 14 April 2018
 - 3,000 event attendees
 - Distributed 294 Chinese and 152 English tip cards
- Health Fair (El Monte) – 11 August 2018
 - 800 event attendees
 - Distributed 425 Chinese tip cards
- Moon Festival (Rosemead) – 15 September 2018
 - 8,000 event attendees
 - Distributed 530 Chinese and 20 English tip cards
- Lunar New Year (Temple City) – 9 February 2019
 - 10,000 event attendees
 - Distributed 300 Chinese and 82 English tip cards
- Walk-a-thon (San Gabriel) – 16 March 2019
 - 600 event attendees
 - Distributed 300 Chinese and 4 English tip cards

HDR, Inc., EA team subcontractor

Lauren Hillman/HDR presented an overview of community event and bait shop outreach performed between January 2018 and March 2019. See [HDR's slides](#) for more information.

Community Events

Ms. Hillman summarized the community outreach activities. Specifically, the following events, targeting Spanish, English, and African American groups, were attended.

- Underwater Parks Day – 20 January 2018
 - 150 event attendees
 - Distributed 25 English, 10 Spanish, and 5 Chinese tip cards
- Lunar New Year (Alhambra) – 24 February 2018
 - 500 event attendees
 - Distributed 50 English, 5 Spanish, and 100 Chinese tip cards
- International Children's Festival – 18 March 2018
 - 500 event attendees
 - Distributed 220 English, 35 Spanish, and 3 Chinese tip cards
- Noche de Estrellas – 23 March 2018
 - 4,000 event attendees
 - Distributed 70 English, 80 Spanish, 2 Chinese, and 3 Vietnamese tip cards
- Earth Day Celebration – 22 April 2018

- 520 event attendees
- Distributed 180 English, 40 Spanish, 4 Chinese, and 4 Vietnamese tip cards
- Heritage of Aloha Festival – 19 May 2018
 - 250 event attendees
 - Distributed 60 English and 15 Spanish tip cards
- Lummis Day – 3 June 2018
 - 500 event attendees
 - Distributed 40 English, 10 Spanish, 2 Chinese, and 2 Vietnamese tip cards
- Baja Cultural Celebration – 29 September 2018
 - 2,000 event attendees
 - Distributed 180 English, 40 Spanish, 4 Chinese, and 4 Vietnamese tip cards
- Charles Drew University Science Academy – 27 October 2018
 - 100 event attendees
 - Distributed 30 English and 10 Spanish tip cards
- Underwater Parks Day – 12 January 2019
 - 200 event attendees
 - Distributed 10 English and 5 Spanish tip cards
- Noche de Estrellas – 22 March 2019
 - 3,000 event attendees
 - Distributed 25 English and 100 Spanish tip cards
- LA Arboretum Environmental Education Fair – 30 March 2019
 - 3,000 event attendees
 - Distributed 40 English and 5 Spanish tip cards

HDR will attend the following upcoming community outreach events in 2019.

- Ho’oilina Foundation Heritage of Aloha (Santa Fe Springs) –18-19 May 2019
- Lummis Day Festival (Los Angeles) – 2 June 2019
- Grand Park Earth Day – 11 April 2019
- LA County Department Public Works Earth Day (Alhambra) – 18 April 2019
- E3 Earth Day Fair (Los Angeles) – 22 April 2019

Ms. Hillman indicated that outreach was expanded in Pasadena and added education and health fairs. The most common questions received from event attendees were 1) Who are the FCEC Partners, 2) How do they stay connected, and 3) What is sediment? The fishing game continues to be very successful at attracting children who bring their parents to the FCEC booth. The NOAA “*What’s the Catch*” comic book and curriculum guide also are very popular with the children. Based on those that filled out the sign-in sheets to receive the eNewsletter, the awareness sources reported were news/media (63 percent), internet (25 percent), and the angler outreach partners (12 percent).

Bait Shop Outreach

Ms. Hillman 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 May 2018 and the second round was performed in August 2018. Three new bait shops replaced bait shops that closed or went out of business. In 2019, the first and second rounds of bait shop outreach will be conducted in May and August, respectively. During the 2018 bait shop outreach, HDR noticed that many of the plastic tip card holders were lost, broken, or repurposed. Therefore, HDR will provide new plastic tip card holders to the bait shops during the May 2019 event. Ms. Hillman also noted that Korean language tip cards were requested, and awareness of the contamination is less in Huntington Beach where DNC fish signs are not present. The 40 bait shops reached and tip card distribution during the 2018 bait shop outreach in English (E), Spanish (S), Chinese (C), and Vietnamese (V) are bulleted below.

1. **Bay Market:** 50 E, 50 S, 50 C, 50 V
2. **Del Rey Landing:** 50 E, 50 S, 50 C, 50 V
3. **West Marine (#1):** 20 E, 20 S, 10 C, 10 V
4. **Big 5 Sporting Goods:** 50 E, 50 S, 50 C, 50 V
5. **Adventure 16:** 20 E, 20S, 20 C
6. **Best Bait and Tackle:** *stocked from previous visits*
7. **Manhattan Grocery:** 20 E
8. **Manhattan Mart:** *stocked from previous visits*
9. **Redondo Food Mart:** 15 E, 15 S, 10 C, 10 V
10. **Liquor Depot:** 15 E
11. **West Marine (#2):** *stocked from previous visits*
12. **Catalina Liquor & Deli:** 25 E, 25 S, 10 C, 10 V
13. **Tackle Junkies (NEW):**
14. **Dawn to Dusk Liquor:** *stocked from previous visits*
15. **Stanley's Liquor Jr. Market:** 20 E, 20 S, 5 C, 5 V
16. **Gaffey Liquor:** 15 E, 15 S
17. **Hello Liquor:** 25 E, 20 S, 5 C, 5 V
18. **Kelly Marine:** 20 E, 20 S, 5 C, 5 V
19. **M&P Liquor:** 15 E, 10 V
20. **West Marine (#3):** 25 E, 25 S, 15 C, 15 V
21. **Pacific Wilderness:** 20 E, 20 S, 10 C, 10 V
22. **Mr. C's Liquor:** *stocked from previous visits*
23. **Family Deli and Grocery (NEW):**
24. **Baja Fish Gear:** *stocked from previous visits*
25. **Rosa's Liquor Market:** 20 E, 20 S
26. **7 Eleven (Ocean Blvd):** 25 E, 25 S, 5 V
27. **West Beach Liquor (NEW):** 25 E, 25 S
28. **Magnolia Liquor Jr. Market:** 20 E, 20 S
29. **West Marine (#4):** 25 E, 25 S
30. **Big Fish Bait & Tackle:** 25 V
31. **ABC Fine Wine:** *stocked from previous visits*
32. **Jimmy Caivo Bait & Tackle:** 25 E, 25 S, 25 V

33. **Seal Beach Liquor Store:** 25 E, 25 S, 25 V
34. **Charkbait:** 25 E
35. **Fisherman's Hardware:** 25 E, 25 S
36. **Let's Go Fishing:** 75 E, 75 S, 25 C, 75 V
37. **Mahi Tackle-Sport Fishing Supplies:** *stocked from previous visits*
38. **Pacific Edge Bait & Tackle:** 25 E, 25 S
39. **El Don Liquor Store:** 25 E, 25 S
40. **7 Eleven (Pacific Coast Highway):** 25 E, 25 S

HDR continued activities to engage the Los Angeles Unified School District (LAUSD) in effort to educate non-English speaking adults through their children. Ms. Levine mentioned that since the last FCEC partners meeting, EA and HDR met with Daniel Cordero/DTSC to discuss local education contacts. HDR followed up with the contacts provided but they did not facilitate outreach. HDR continues to look for educational opportunities and follow-up with educators that attend the community events.

5. Open Forum

Ms. Levine re-visited the topic of the annual report and outreach program recommendations to improve the outreach program. She requested FCEC Partners help provide feedback and engagement to implement the recommendations.

- FCEC website and Facebook updates
The FCEC website will be migrated to a new platform and revised to improve navigability, organization of content, and updates to outreach program information to increase website traffic. FCEC partners help will be necessary to provide graphics, information, and/or recommendations to improve the FCEC website. FCEC partners that are interested in being part of a subgroup to review the website should contact Ms. Levine and/or Judy Huang.
- Outreach material updates
The outreach materials are due for an update. Additional language requests (i.e., Korean) have been noted during community event and bait shop outreach. Ms. Huang requested FCEC partners involvement in the development of the revised outreach materials. In the meantime, Laura Levine/EA will work with Lauren Hillman/HDR to share/distribute materials amongst the partners. EPA does not have the native files and therefore will need to start from scratch which will allow flexibility to change and add information. Hang Nguyen/BPSOS suggested postcards instead of tip cards to condense the information provided in the tip cards and brochures.
- Booth-in-Box and fishing game updates
The display board, which is part of the Booth-in-Box for the community events needs updating. Specifically, technical information can be updated. Ms. Levine requested FCEC partner input on improvements to the display board. Additionally, there are two children's fishing game that are shared among the partners (HDR, BPSOS, CHCC, and City

of Long Beach) during the community events. The games are worn in and need replacement. Three new fishing games will be created so each Partner will have one.

Ms. Soong mentioned a banner for the booth would also be helpful.

ACTION ITEMS:

- ***Laura Levine/EA to work with HDR to review print materials inventory and share/distribute materials amongst the FCEC Partners until revisions to outreach materials are completed.***
- ***FCEC partners to provide photographs and suggestions for the FCEC website and Facebook page to Laura Levine/EA and/or Judy Huang/EPA.***
- ***FCEC partners to provide recommendations to improve the outreach program to Laura Levine/EA and/or Judy Huang/EPA.***
- ***FCEC partners to update the Facebook page more frequently with FCEC activities to increase web traffic.***
- ***FCEC partners to contact Laura Levine/EA and/or Judy Huang/EPA if interested in being part of a subgroup to review the FCEC website development. Laura Levine/EA to create the subgroup.***
- ***FCEC partners to contact Laura Levine/EA and/or Judy Huang/EPA to provide feedback and help with updating the outreach materials and Booth-in-Box display board.***

6. Meeting Adjournment

Ms. Huang closed the meeting with thanks to all.



Palos Verdes Shelf Institutional Controls Program
Partners Meeting
April 23, 2019

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

Name	Organization	Email	Initials
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