



# **FCEC Partners Meeting Palos Verdes Shelf Superfund Site**

23 April 2019  
10 AM – 12 PM



# Welcome!

- Thank you to NOAA Restoration Center
- Restrooms
- No food/drinks (water is OK)



# Agenda

- Welcome
  - EPA Update (5 min)
- Angler Outreach Updates (25 min)
- Enforcement Update (20 min)
- Break (10 min)
- Community Outreach Update (30 min)
- Open Forum (30 min)



# EPA Update

- EPA Update
  - Judy Huang/EPA Region 9 Remedial Project Manager



# Agenda

- Welcome
  - EPA Update (5 min)
- Pier Angler Outreach Updates (25 min)
  - Outreach Data – Laura Levine
  - Cabrillo – Laura Levine on behalf of Carl Carranza
  - Heal the Bay – Frankie Orrala
- Enforcement Update (20 min)
- Break (10 min)
- Community Outreach Update (30 min)
- Open Forum (30 min)



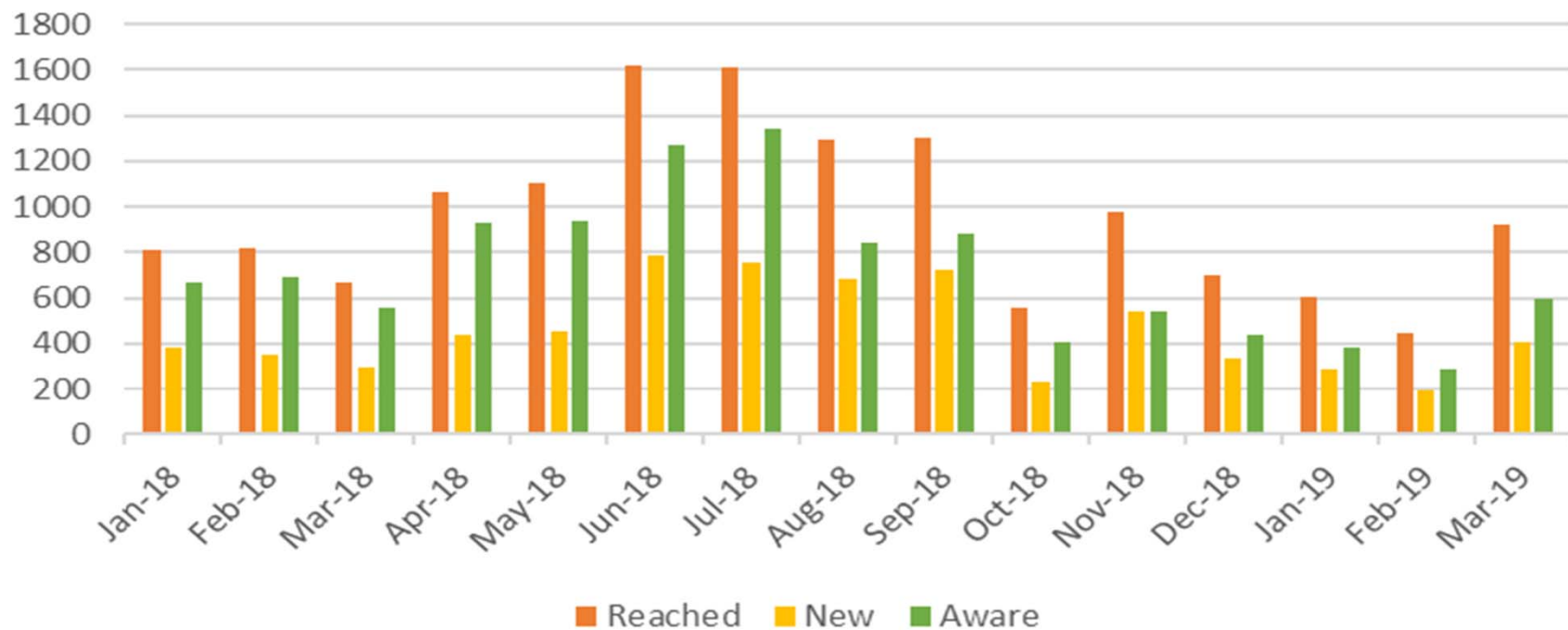
# Outreach Data from Jan 2018 – March 2019

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



# Outreach Data from Jan 2018 – March 2019

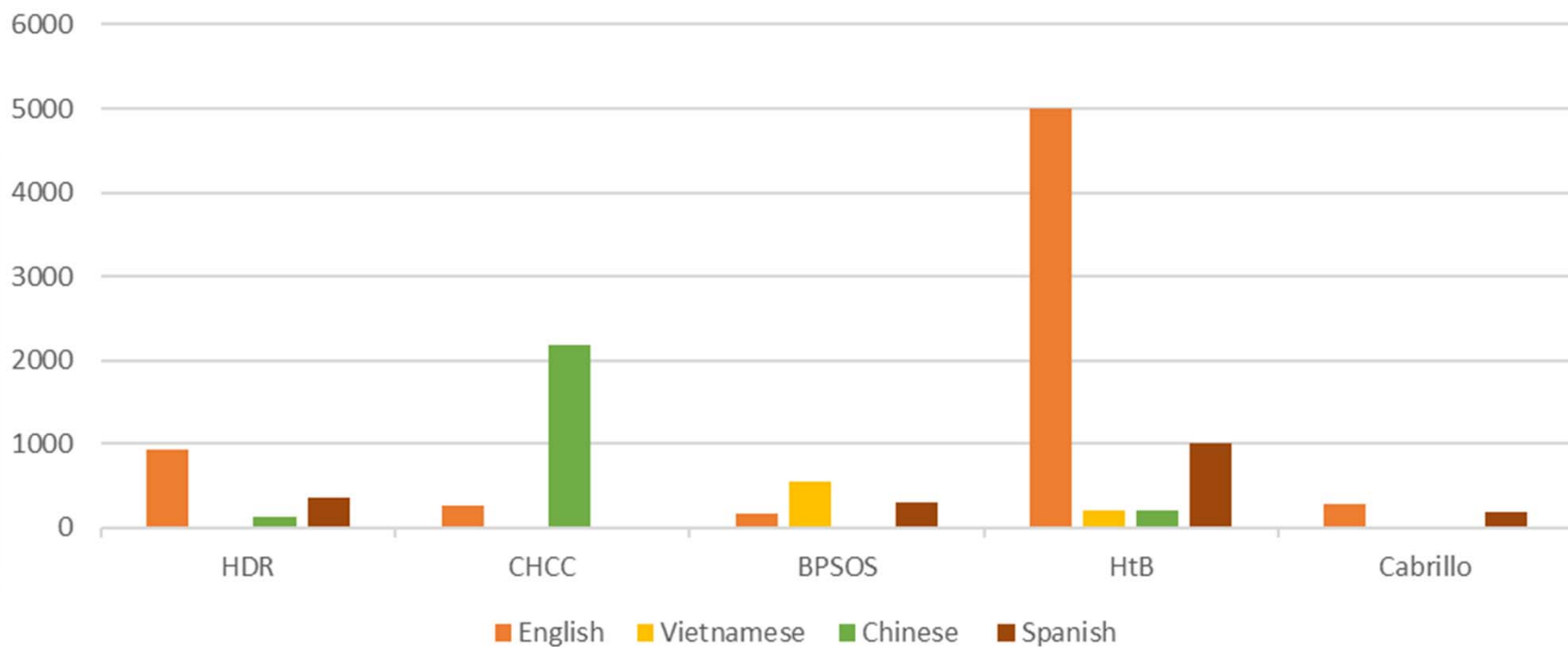
## Total Pier Anglers Reached (Heath the Bay and Cabrillo)





# Outreach Data from Jan 2018 – March 2019

Total Tip Cards Distributed







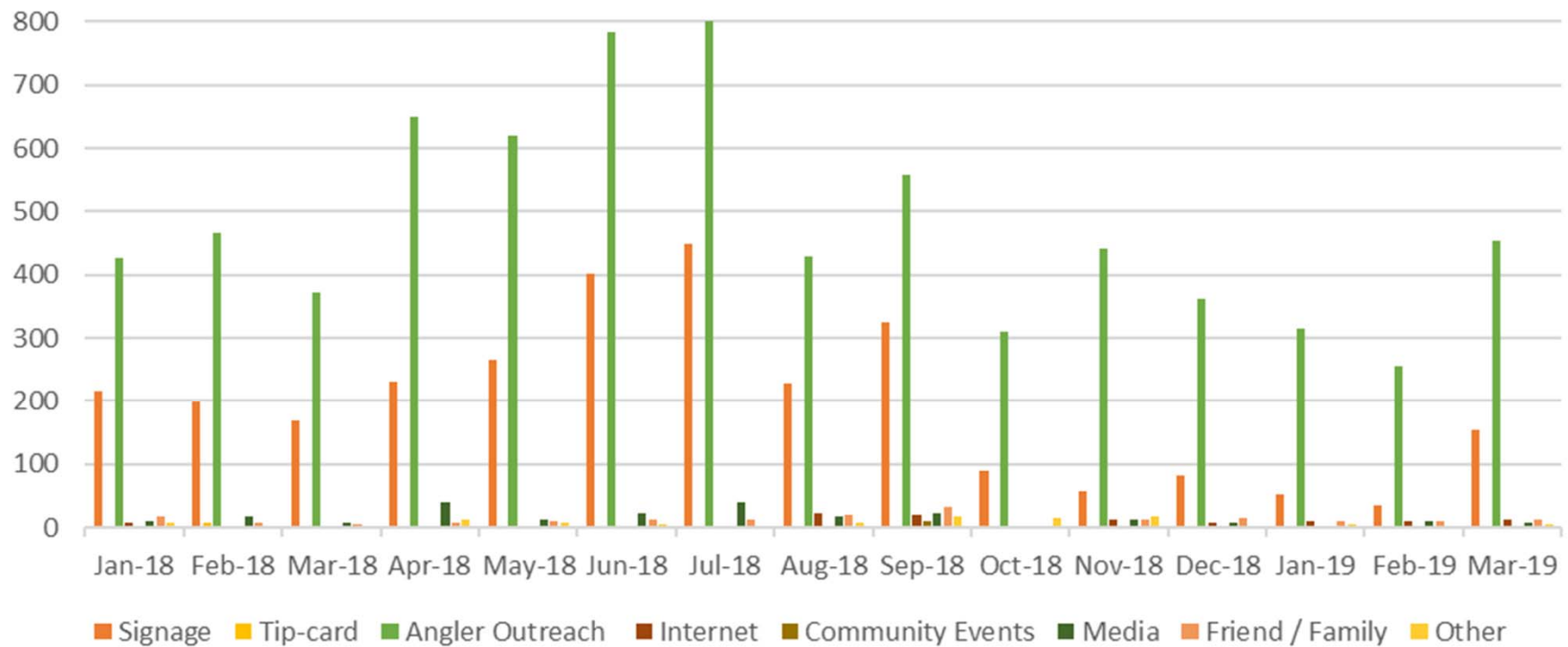
# Program Updates from Jan 2018 – March 2019

- LACSD Boat tour on May 30, 2018 (16 attendees).
- Fish Identification Training held for LACDPH and City of Long Beach on August 8, 2018 (20 attendees).
- Heal the Bay began night outreach during September 2018 at Venice and Redondo Beach Piers (Saturday 4-8 pm) .
- Annual Reporting recommendations
  - Update Booth in box (fishing game and display board)
  - Improve FCEC website and Facebook page
  - Revise outreach materials (e.g., additional languages, curriculum guide update).



# Outreach Awareness Source Jan 2018 – March 2019

Total Awareness Source





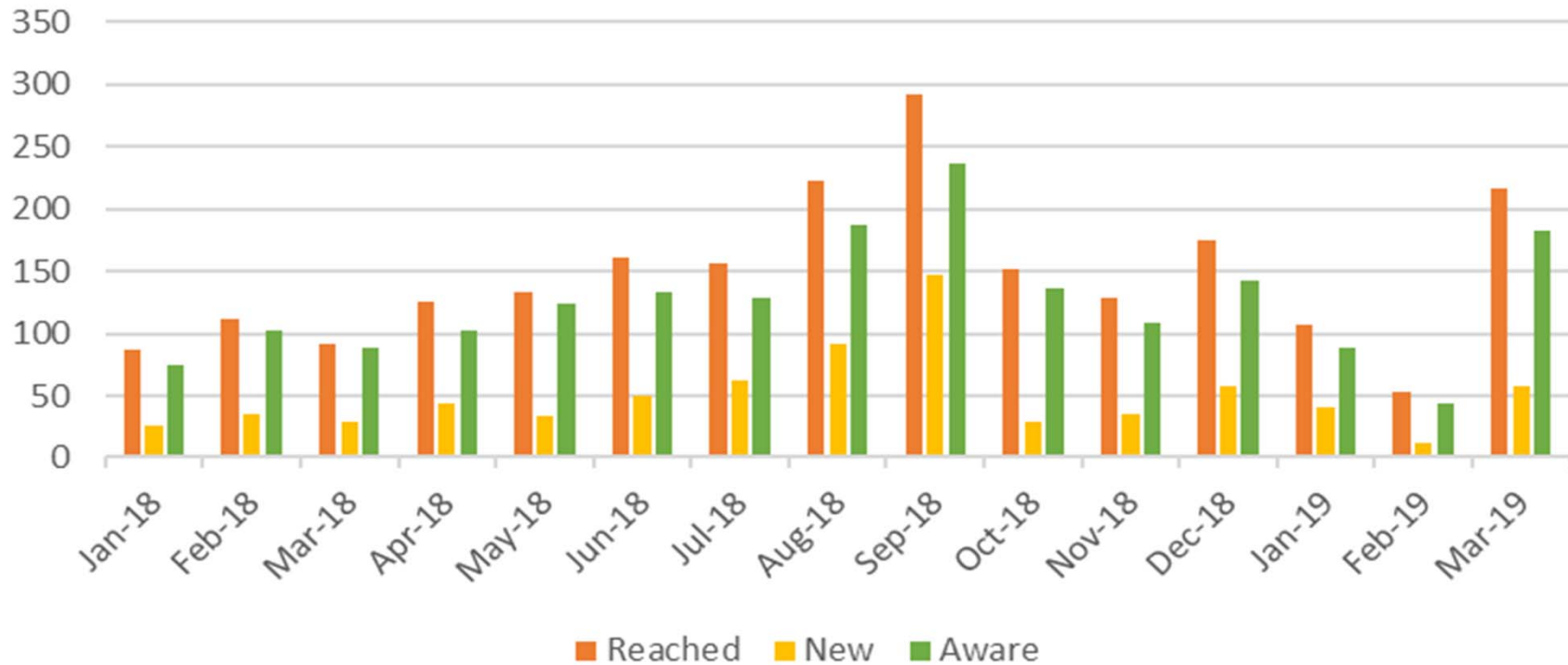
# Pier Sign Conditions

- Piers
  - Cabrillo Pier – 8 signs in good/ok condition
  - Santa Monica – 4 signs in good condition, 2 missing
  - Venice – 5 signs in good condition, 1 new
  - Hermosa – 5 signs in good condition
  - Redondo Beach – 6 signs in good condition
  - Pier J – 4 signs, in good condition
  - Rainbow Harbor – 4 signs in good condition, 1 missing
  - Belmont – 5 signs in good condition
  - Seal Beach – 1 sign in fair condition, 1 sign with no access (pier maintenance)
- Replacements
  - LACDPH to replace 2 signs at Santa Monica
  - City of Long Beach to replace 1 missing sign at Rainbow
- Accounting discrepancies fixed between LACDPH, City of LGB, Cabrillo, and Heal the Bay (e.g., Santa Monica, Rainbow Harbor) in 2018



# Cabrillo Update

## Total Pier Anglers Reached (Cabrillo)





# Agenda

- Welcome (5 min)
  - EPA Update (5 min)
- Angler Outreach Updates (25 min)
- Enforcement Update (20min)
  - LA County – Cindy Chen
  - City of Long Beach – Monica Cardenas
  - California Department of Fish and Wildlife – Lt. Don Nelson
- Break (10 min)
- Community Outreach Update (30 min)
- Open Forum (30 min)



**BREAK FOR 10 MINUTES**



# Agenda

- Welcome (5 min)
  - EPA Update (5 min)
- Pier Angler Outreach Updates (25 min)
- Enforcement Update (20 min)
- Break (10 min)
  
- Community Outreach Update (30 min)
  - Toxics Epidemiology Program of LA County–Alberto Rivadeneyra Jr
  - Vietnamese Outreach – Hang Nguyen, BPSOS
  - Chinese Outreach – Rebecca Soong, CHCC
  - Community Events Outreach – Lauren Hillman, HDR Inc.
  
- Open Forum (30 min)



# Agenda

- Welcome (5 min)
- EPA Update (5 min)
- Pier Angler Outreach Updates (25 min)
- Enforcement Update (20 min)
- Break (10 min)
- Community Outreach Update (30 min)
  
- Open Forum (30 min)
  - FCEC website and Facebook page updates
  - Outreach materials
  - Booth-in-Box
  - Other topics?





# Booth Display Board

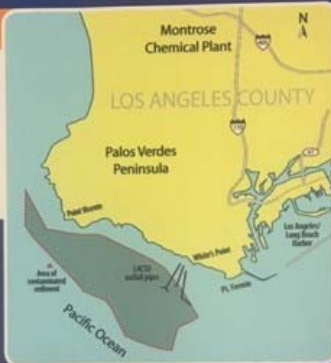
## PALOS VERDES SHELF CONTAMINATION

### CONTAMINATION HISTORY

For decades, the Montrose Chemical Corporation, located near Terracon, released the chemical DDT into the sewer system, which eventually emptied into the ocean off the Palos Verdes Peninsula.

Another group of chemicals, called PCBs, were also released by local industries.

Although these chemicals are no longer used, they remain in the ocean sediment and have contaminated fish that live there. People who regularly eat fish caught near the contaminated area face greater health risks because of prolonged exposure to toxic chemicals.



## PROTECT THE HEALTH OF YOU AND YOUR FAMILY FROM LOCAL FISH CONTAMINATION

### AREA AND FISH OF CONCERN



This advice only applies to fish caught between Santa Monica Pier and Seal Beach Pier.

Eating fish is good for you, but some fish caught off the coasts of Los Angeles and Orange County are contaminated with DDT, PCBs and mercury. Join with other local residents and fishermen in releasing these fish back into the ocean.



## ADDRESSING THE PROBLEM

### PROTECTING YOUR HEALTH AGAINST LOCAL FISH CONTAMINATION

The United States Environmental Protection Agency (EPA) established the Fish Contamination Education Collaborative (FCCE) to educate the public on the health risks posed by chemically contaminated fish and to encourage the public to adopt safer fish consumption practices.

Through outreach and education, FCCE engages three programs to protect public health.

### HEALTH EFFECTS



Health problems associated with prolonged exposure to DDTs and PCBs include:

- Cancer
- Liver disease
- Growth and development problems
- Effects on the immune system

### WHO'S AT RISK?



The contaminants pose the greatest risk to developing fetuses and young children, so the following groups should exercise the most caution when eating some locally caught fish:

- Children
- Nursing mothers
- Pregnant women
- Women who can become pregnant

### COOKING GUIDELINES



DDTs and PCBs build up in the fatty parts of the fish. Protect your health by following these guidelines for all other locally caught fish not pictured above.



1 Eat only the fillet of the fish.



2 Remove and throw away the head and guts before cooking.



3 Bake, steam or grill fish, letting the fatty juices drip away.

### FOR ADULTS



### FOR CHILDREN



For all other fish caught between Santa Monica Pier and Seal Beach Pier, only eat one serving per week.

The recommended serving of fish is about the size of your hand. Use children's smaller servings.

### OUTREACH TO FISHERMEN



#### Program Goal

The Angler Outreach Program educates local pier and shoreline fishermen on the risks of consuming contaminated fish.



#### Program Participants

Heal the Bay and Cabrillo Marine Aquarium

### OUTREACH TO THE COMMUNITY



#### Program Goal

The Community Outreach Program educates local community members about the risks associated with eating contaminated fish as well as safe fish preparation methods.



#### Program Participants

Local Community Based Organizations and FCCE's Community Resource Council

### OUTREACH TO MARKETS



#### Program Goal

The Commercial Outreach Program works to minimize the sale of contaminated fish to markets throughout the region.



#### Program Participants

Los Angeles County Department of Public Health, City of Long Beach Department of Health and Human Services, Orange County Health Care Agency, and the California Department of Fish and Game





# Thank you!

- EPA appreciates your education, outreach, and enforcement efforts
- Further suggestions or concerns, please contact:

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