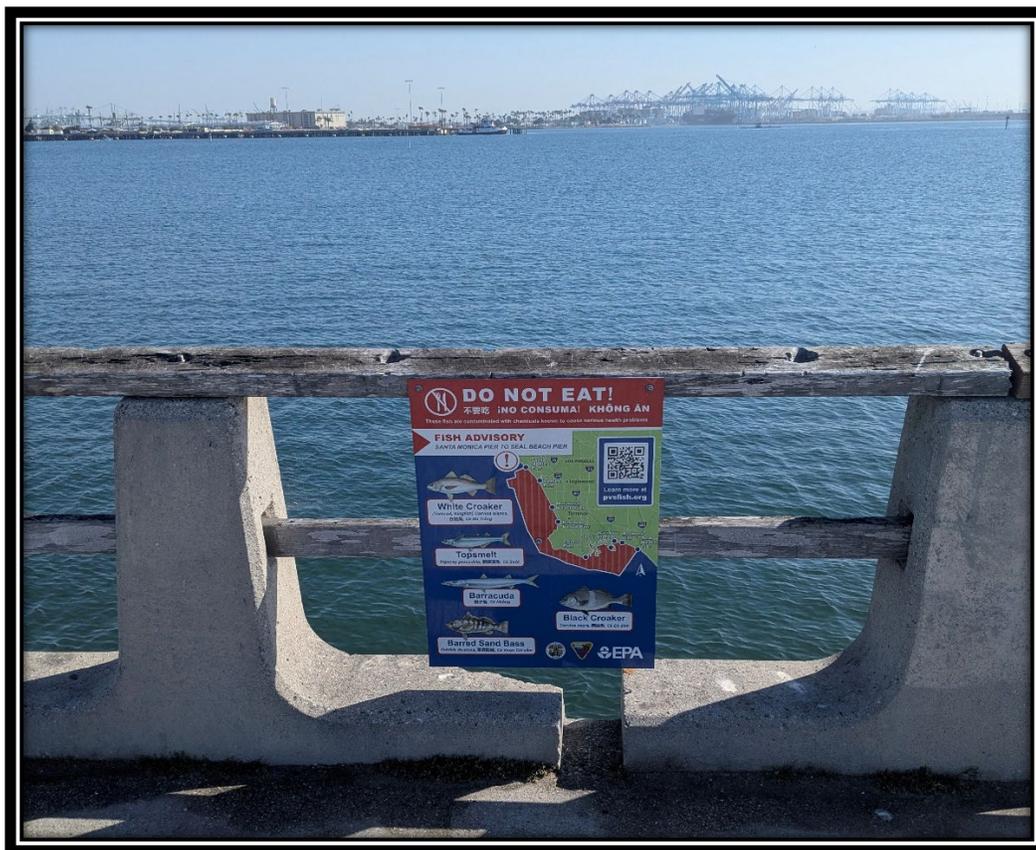


PALOS VERDES SHELF

Do Not Consume Sign Summary

August 2024 – July 2025



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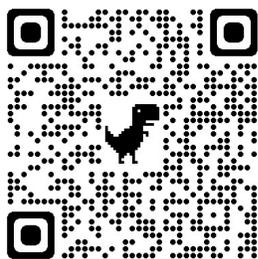
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Fish Contamination Education Collaborative

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For more information about fish contamination from the Palos Verdes Shelf Superfund Site, please visit: www.pvsfish.org



For more information about California fish advisories, please visit: www.oehha.ca.gov/fish

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LIST OF ACRONYMS AND ABBREVIATIONS

AOP	Angler Outreach Program
DDT	dichloro-diphenyl-trichloroethane
DNC	Do Not Consume
EPA	U.S. Environmental Protection Agency
FCEC	Fish Contamination Education Collaborative
IC Program	Institutional Controls Program
LACDPH	Los Angeles County Department of Health
PCBs	polychlorinated biphenyls
QR	quick response

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SUMMARY

The U.S. Environmental Protection Agency's (EPA's) Palos Verdes Shelf Institutional Controls Program (IC Program) aims to protect Southern California residents from the health risks of consuming fish contaminated with polychlorinated biphenyls (PCBs) and dichloro-diphenyl-trichloroethane (DDT). This report summarizes the conditions of, effectiveness of, and recommendations for signs warning the public about the five "Do Not Consume" (DNC) fish species. The IC Program includes displaying DNC signs at nine piers and eight beach and coastal areas to inform anglers about contaminated fish. The Fish Contamination Education Collaborative (FCEC) outreach teams evaluate the condition of DNC signs at pier locations to determine if maintenance, cleaning, or replacement is necessary.

In March 2025, the FCEC began installing newly designed DNC signs from Santa Monica, California, to Seal Beach, California. These updated signs are an important component of the remedy at the Palos Verdes Shelf Superfund Site and feature a list of the five DNC fish species, a map of the fish advisory area, and a quick response (QR) code linking the public to digital resources. This design aims to enhance public awareness and the accessibility of information about site risks. The EPA collaborated with the Los Angeles County Department of Public Health and the cities of Long Beach and Seal Beach to successfully install signs at the nine angler outreach piers. Preliminary data suggest that the inclusion of the QR code has significantly increased online visits to the FCEC website (www.pvsfish.org). The DNC sign installations are being executed in phases to maximize impact: Phase 1 was completed in July 2025 and focused on the nine most popular fishing piers where anglers fish for local species. Phase 2 will extend to eight additional coastal locations within the IC Program, with adjustments based on recommendations in the 2023 to 2024 and 2024 to 2025 Annual DNC Sign Summary reports and FCEC meeting discussions.

In May 2025, the pier sign monitoring schedule was adjusted to accommodate oversight by the Los Angeles County Department of Public Health:

- Locations within Los Angeles County (Santa Monica Pier, Venice Beach Pier, Hermosa Beach Pier, Redondo Beach Pier, and Cabrillo Pier) undergo monthly routine monitoring and semiannual detailed inspections.
- Locations outside Los Angeles County (Pier J, Rainbow Harbor Pier, Belmont Pier, and Seal Beach Pier) are monitored quarterly.
- Beach and coastal location DNC signs are monitored annually.

This report covers the IC Program DNC signage inspections and monitoring activities from August 2024 to July 2025. Due to ongoing installations of the new pier sign, inspections were limited to the nine piers where angler outreach is performed. Annual inspections were not conducted at beach and coastal locations scheduled for 2026 installations. Phase 2 sign installations will begin at Manhattan Beach, and many locations are currently without signage, as indicated by previous inspection reports.

This report incorporates applicable recommendations from previous reports and feedback from 2025 inspections and sign installation teams (the Los Angeles County Department of Public Health and the cities of Long Beach and Seal Beach).

The IC Program's DNC signs are intended to complement the Angler Outreach Program and California Department of Fish and Wildlife Enforcement efforts to educate at-risk anglers. Annual inspections allow the EPA and FCEC partners to maintain and plan for sign reinstallation. Standardized recommendations provide an overview of sign conditions and necessary maintenance across locations. Sign reinstallation began with the completion of Phase 1 during this reporting period.

1. INTRODUCTION

The Palos Verdes Shelf Superfund Site is part of the Montrose Chemical Corporation Superfund Site, located in Los Angeles County, California (Figure 1). The Palos Verdes Shelf became contaminated with polychlorinated biphenyls (PCBs) and dichloro-diphenyl-trichloroethane (DDT) from the inland Montrose Chemical plant and other industries that discharged waste into the ocean through the Los Angeles County sanitation sewer outfall pipes from 1953 to 1971 (Figure 1). Today, about 34 square miles (88 square kilometers; about half the size of Catalina Island) of ocean sediment on the Palos Verdes Shelf is contaminated with these legacy pollutants. Although the contaminated sediment is too deep for direct human contact (40 to 200 meters; 130 to 650 feet), contaminants can build up in the food web, including in certain fish, which are caught and consumed by the public. The U.S. Environmental Protection Agency (EPA) conducted human health risk evaluations and determined that eating fish contaminated with PCBs and DDT presented the greatest potential for adverse human health effects.



Figure 1. Map of the Palos Verdes Shelf Study Area

The EPA initiated institutional controls at the Palos Verdes Shelf Superfund Site in September 2001. Institutional controls refer to non-engineered measures, such as outreach and signage, which aim to prevent or reduce exposure to contaminants at a site. The Palos Verdes Shelf Institutional Controls Program (IC Program) consists of the following three main components: angler outreach, community outreach, and enforcement of white croaker catch bans. In 2003, the EPA established the Fish Contamination Education Collaborative (FCEC) with

representatives from federal, state, and local agencies; nongovernmental organizations; and community-based organizations to implement public outreach and education activities. In September 2009, the EPA selected an interim remedy for the Palos Verdes Shelf Superfund Site that included the continuation and strengthening of the IC Program.

The purpose of the IC Program at the Palos Verdes Shelf Superfund Site is to minimize human exposure to PCBs and DDT by reducing the consumption of contaminated fish, particularly white croaker. As part of the angler outreach component of the IC Program, the EPA has installed permanent signs displaying Do Not Consume (DNC) fish warnings to help anglers identify fish species that are contaminated and pose a risk to human health. The signs are referenced by anglers and other members of the public as a source of awareness of local contamination and fish advisories.

PCBs and DDT pose significant risks to public health and are listed on both the EPA Integrated Risk Information System as probable human carcinogens and the State of California's Proposition 65 list of pollutants known to cause cancer. Additionally, exposure to elevated levels of PCBs can result in skin irritation, liver disease, and endocrine dysfunction. Exposure to elevated levels of DDT can negatively impact the nervous and endocrine systems, liver function, and child development. The EPA monitors PCB and DDT concentrations in white croaker and barred sand bass on the Palos Verdes Shelf to evaluate the effectiveness of natural recovery processes and improve the modeling of contaminant fate and transport. While PCB and DDT concentrations in fish tissues have generally declined since the 1990s, concentrations in white croaker remain above the risk-based cleanup levels.

This report summarizes the DNC sign inspection and monitoring activities conducted between August 2024 and July 2025, including recommendations on sign maintenance, replacement, or relocation. Angler outreach, community outreach activities, and enforcement activities are reported separately from this report and can be found at www.pvsfish.org/resources/partner-documents.

2. INSTITUTIONAL CONTROLS PROGRAM ELEMENTS – OVERVIEW OF ANGLER OUTREACH AND DO NOT CONSUME SIGNAGE

The IC Program aims to minimize human exposure to Palos Verdes Shelf Superfund Site contamination by educating impacted communities about safe fishing practices and health risks associated with eating contaminated fish.

2.1 ANGLER OUTREACH

In 2003, the EPA initiated the Angler Outreach Program (AOP) to mitigate risks to human health by minimizing the consumption of contaminated fish. The EPA, in collaboration with the FCEC, performs regular in-person outreach at popular fishing piers along the coast of Los Angeles to educate anglers about the five fish species that are unsafe to eat (white croaker, barred sand bass, topsmelt, black croaker, and barracuda). Angler outreach activities are conducted at nine popular fishing piers: Santa Monica Pier, Venice Beach Pier, Hermosa Beach Pier, Redondo Beach Pier, Cabrillo Pier, Rainbow Harbor Pier, Pier J, Belmont Pier, and Seal Beach Pier (Figure 2). Details about the AOP are provided in the Palos Verdes Shelf Annual Angler Outreach Report, which can be found at www.pvsfish.org/resources/partner-documents.



Figure 2. Map of Piers and Beaches with Posted Do Not Consume Signs

2.2 DO NOT CONSUME SIGNAGE

2.2.1 Signage Locations

Permanent DNC signs are posted at locations from Santa Monica Pier south to Seal Beach Pier in areas with high levels of fish contamination and high subsistence and sport fishing activities. This contaminated area is designated as the “red zone” by the California Office of Environmental Health Hazard Assessment’s Coastal Fish Contamination Advisory (Figure 3). This zone highlights areas where some fish species are more likely to have higher concentrations of PCBs and DDT and pose unacceptable health risk. Fish advisories extend to the north and south of this zone into “yellow zones” (Figure 3).



Figure 3. Map of Yellow and Red Zone Areas for Fish Caught from Ventura Harbor to San Mateo Point

EPA monitors DNC signs at 69 locations across nine piers and eight beach and coastal areas. Many existing signs are outdated or missing, prompting reevaluation of sign needs with the FCEC. New areas may also be considered based on pier angler outreach, community event data, and enforcement findings. However, despite some signs being missing or degraded, DNC signage remains one of the most effective outreach methods for raising awareness among anglers. As such, EPA prioritizes monitoring and maintenance to ensure visibility and messaging effectiveness.



Figure 4. Do Not Consume Sign

2.2.2 New DNC Sign Design

In 2024, the FCEC redesigned the DNC sign to include a map of the fish advisory area, large images of the five contaminated fish species (white croaker, barred sand bass, black croaker, topsmelt, and barracuda), information in four languages (English, Chinese, Spanish, and Vietnamese), and a quick response (QR) code linking to the FCEC website, www.pvsfish.org (Figure 4). The redesign aims to provide clear and accessible public notice of contaminated fish species, thereby increasing angler awareness of fish contamination. During this reporting period, EPA collaborated with the FCEC to install updated DNC signs using a phased approach, as described in Section 3.

2.2.3 Inspection and Evaluation

Historically, DNC sign conditions were evaluated monthly at nine piers during routine angler outreach activities and annually at all posted sign locations. In May 2025, inspection teams adjusted the routine monitoring schedule as follows to avoid duplicative efforts with sign installation activities conducted by the LACDPH and other city pier entities:

- Locations within Los Angeles County (Santa Monica Pier, Venice Beach Pier, Hermosa Beach Pier, Redondo Beach Pier, and Cabrillo Pier) are monitored at least semiannually.
- Locations outside Los Angeles County (Pier J, Rainbow Harbor Pier, Belmont Pier, and Seal Beach Pier) are monitored quarterly.
- Beach and coastal location DNC signs are monitored annually, although annual monitoring is currently postponed until new signs are installed.

Inspection reports include sign condition designations, photographs, and recommendations for maintenance, replacement, relocation, removal, or additions. Inspections assess maintenance needs due to environmental wear, vandalism, and construction activities, with damage most common at popular piers and low-level installations. Missing signs are often due to theft or removal during pier maintenance. To minimize subjective evaluations, EPA uses standardized criteria for DNC sign conditions:

- Good: Sign is in great condition, and no action is needed.
- Decent: Sign is readable with minimal damage, needs cleaning. This could be due to dirt, animal droppings, light graffiti, or stickers that do not impact the sign messaging or text.

- Fair: Sign is damaged and not fully readable, needs cleaning. This could be due to sign bending, graffiti, stickers, grime, or dirt.
- Poor: Sign is severely damaged, and most of the sign is not readable, needs replacement or removal. This could be due to sign bending, peeling sign content, sharp edges, heavy graffiti, or stickering.
- Missing: Sign is absent.

Standardized recommendations based on conditions include:

- No Action: Sign is in good condition.
- Clean: Sign requires cleaning.
- Replace: Sign is damaged beyond repair or missing; install new sign in the same spot.
- Relocate: Sign is not well placed, needs repositioning (e.g., current sign placement is too high, too low, partial view, etc.).
- Remove: Sign is in an ineffective location.
- Add: New signs needed for improved angler visibility.

3. PIER SIGN CONDITIONS (AUGUST 2024 – JULY 2025)

During this reporting period, the EPA collaborated with the FCEC to install updated DNC signs using a phased approach:

- Phase 1: Completed in July 2025; involved installing signs at nine popular fishing piers:
 - LACDPH installed signs at Cabrillo Pier (eight), Redondo Beach Pier (six), Hermosa Beach Pier (five), Venice Beach Pier (five), and Santa Monica Pier (five).
 - The City of Long Beach installed signs at Rainbow Harbor Pier (five) and Belmont Pier (four) and coordinated installations at Pier J (four).
 - The City of Seal Beach installed signs at the Seal Beach Pier (five) and one sign at a new location at the river mouth northwest of the pier.
- Phase 2: Will begin in late 2025 and will be ongoing throughout 2026; will extend installations to eight additional coastal locations, incorporating recommendations from the 2023 to 2024 and 2024 to 2025 DNC Sign Summary reports and FCEC discussions.

Due to the focus on new sign installations, inspections during this period were limited to locations with newly installed signs. From August 2024 to March 2025, signs were monitored monthly at the nine piers where angler outreach occurs. The most recent inspections, conducted in June and July 2025, evaluated sign conditions at Santa Monica Pier, Venice Beach Pier, Hermosa Beach Pier, Redondo Beach Pier, Cabrillo Pier, Rainbow Harbor, Pier J, Belmont Pier, and Seal Beach Pier (Table 1). The DNC signs at eight beach and coastal areas were not inspected in 2025, as new signs are scheduled for 2026 installation. Table 2 summarizes expected DNC sign conditions based on previous inspections in 2022, 2023, and 2024 and the current EPA IC Program goals for these areas. Table 2 beach and coastal areas include: Ballona North Creek/Playa del Rey Jetty, Ballona South, Dockweiler Beach, El Porto/El Segundo, Manhattan Beach, Rocky Point, Torrance Beach, and Royal Palms/White Point. Table 1 and Table 2 summarize data for each pier, beach, and coastal area with DNC signage, including:

- Individual sign conditions during the 2025 annual DNC inspections (8 of the 17 locations were not inspected because the signs were missing or scheduled for replacement).
- Recommendations based on sign conditions and the effectiveness of the signs at each location from 2025 or most recent annual inspection.
- The current total number of programmed signs across all 17 areas (63 signs).

Note that Appendix A provides detailed inspection records for the pier areas, including: summarized inspection notes with sign recommendations, aerial map views of each pier and sign locations, and identifies individual sign conditions with photographs collected during the July 2025 pier sign inspections.

Table 1. DNC Sign Recommendation Summary – Nine Angler Outreach Piers

Recommendation	Santa Monica Pier	Venice Pier	Hermosa Beach Pier	Redondo Beach Pier	Cabrillo Pier	Pier J	Rainbow Harbor	Belmont Pier	Seal Beach Pier	Total
Good Condition – No Action Required	2	--	4	1	1	4	1	2	6	21
Cleaning Recommended	3	3	--	5	6	--	4	2	--	23
Replacement Recommended	--	--	--	--	--	--	--	1	--	1
Relocation Recommended	--	--	--	--	--	--	--	--	--	--
Sign Addition Recommended	--	--	--	--	1	--	--	--	--	1
Sign Removal Recommended	1	3	1	--	1	--	--	--	--	6
Subtotal (Angler Outreach Piers)	5	3	4	6	8	4	5	5	6	46

Table 2. DNC Sign Recommendation Summary – Eight Beach and Coastal Locations

Recommendation	Ballona North Creek/ Playa del Rey Jetty	Ballona South	Dockweiler Beach	El Porto/El Segundo	Manhattan Beach	Rocky Point	Torrance Beach	Royal Palms/ White Point	Total
Good Condition – No Action Required	--	--	--	--	--	--	--	--	--
Cleaning Recommended	--	--	--	--	--	--	--	--	--
Replacement Recommended	2	4	1	1	4	1	2	2	17
Relocation Recommended	2*	--	--	--	--	--	--	2*	4
Sign Addition Recommended	--	--	--	--	--	--	--	--	--
Sign Removal Recommended	2	--	--	--	--	--	--	--	2
Subtotal (Beach and Coastal Areas)	2	4	1	1	4	1	2	2	17

Notes:

* Signs to be relocated during replacement

The beach and coastal locations in Table 2 were not inspected in 2025, conditions are as reported from 2022-2024. Signs at these locations are the older sign design version, are missing, or are in poor condition. Sign replacement in these eight areas is ongoing under Phase 2 sign installations.

4. RECOMMENDATIONS

This report uses the EPA’s standardized evaluation categories and recommendation criteria for DNC signs. Defined fully in Section 2, these categories are summarized as follows:

- Evaluation criteria: The condition of DNC signs is assessed using five categories: Good, Decent, Fair, Poor, and Missing. Detailed individual sign evaluation information is included in Appendix A.
- Recommendation categories: Based on the evaluation criteria and location information, recommendation(s) are made for each sign: No Action, Clean, Replace, Relocate, Remove, or Add. Note that a sign can have more than one recommendation (e.g. Clean and Relocate).

Recommendations for signage within the EPA’s Palos Verdes Shelf IC Program are developed in collaboration with the FCEC. These decisions are informed by data collected during angler outreach and routine DNC sign inspections.

4.1 DO NOT CONSUME SIGNAGE GENERAL RECOMMENDATIONS

For several years, there have been a total of 69 DNC signs programmed across the 17 areas. Table 3 presents the sign recommendations across the 17 program areas (nine angler outreach piers and eight beach and coastal locations). Recommendations include reducing the programmed number of posted sign locations from 69 to 63 locations and evaluating new areas where one or more DNC signs may be beneficial. Cleaning is recommended as routine maintenance for most of the newly installed signs.

	Number of Signs
Number of Signs Programmed (2023-2024)	69
Recommended Number of Signs Programmed (2024-2025)	63
Good Condition - No Action Required	21
Cleaning Recommended	23
Replacement Recommended	18
Relocation Recommended	4
Removal Recommended	8
Sign Addition Recommended	1

Based on this reporting period’s annual sign inspections, the following additional general recommendations are made for the IC Program’s DNC signage:

4.1.1 Annual Inspections and Maintenance

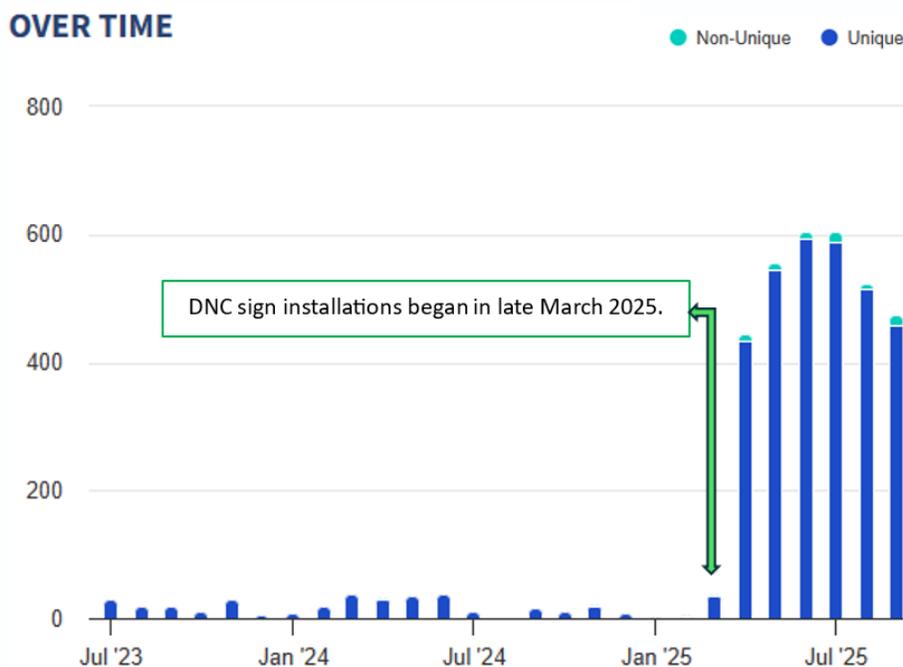
Annual sign inspections should be continued to ensure that DNC signs effectively educate anglers about fish contamination and health risks. Signs are the second most common source of awareness (after receiving outreach directly from FCEC outreach educators). As such, continued

use of DNC signs is recommended to mitigate risks to human health posed by the Palos Verdes Shelf Superfund Site. Data from these inspections can also be used to plan maintenance of newly installed signs. Following the completion of Phase 2, annual inspections should resume at those locations.

4.1.2 Quick Response Code

The addition of a QR code on DNC signs has significantly increased public engagement and facilitated access to educational resources. Since the new DNC signs were installed starting in late March 2025, there has been an increase in visits to the FCEC website (www.pvsfish.org), as shown in Figure 5. When scanning the QR code, anglers can quickly access important information about fish contamination using their mobile devices. As more people rely on smartphones, QR codes offer a flexible and scalable method for disseminating information. This approach allows the EPA to provide the public with easily accessible and up-to-date resources about the health risks associated with consuming contaminated fish. Given the increased website engagement, the FCEC should consider redesigning the website to better connect the public with relevant information. Additionally, the EPA should continue updating the website as the cleanup process progresses to keep the public informed and engaged.

Currently, the QR code scans are able to be differentiated between “unique” and “non-unique” scans, indicating whether the scan is a first-time or repeat interaction. However, the use of a single QR code across various outreach materials, such as tip cards and DNC signs, limits the ability to track the specific source or location of each scan. This limitation prevents a more detailed analysis of the effectiveness of different outreach materials. To improve tracking, the FCEC may consider incorporating unique QR codes for each pier. This would allow the EPA to assess the effectiveness of signs at specific locations and inform future outreach efforts.



**Figure 5. Number of Scans of the FCEC Website QR Code from DNC Signs and Tip Cards –
July 2023 through July 2025**

4.1.3 Sign Durability

To combat environmental wear and vandalism of the signs, the FCEC could use more durable ultraviolet protective coatings on signs. This would help protect against damage from environmental factors, stickers, markers, and spray paint.

4.1.4 Sign Placement and Installation

As Phase 2 begins, the FCEC should prioritize placing signs in locations that maximize visibility for anglers. The ideal height for signs is 48 to 60 inches above the ground for readability and ease of scanning. Signs mounted too low are more susceptible to damage and vandalism, while higher placements can be harder to read and scan. It is important to select locations that do not obstruct public views and minimize the risk of vandalism. Additionally, any sign cleaning, replacement, and relocation activities recommended in this report should be coordinated with the new sign installation schedule to reduce the level of effort required to maintain the existing signs that will be replaced.

4.2 DO NOT CONSUME SIGN “NO ACTION” RECOMMENDATIONS

The recommendation for 21 of the signs reported in good condition is “No Action,” as the information on these signs remains legible and signs were recently installed in effective locations. It is recommended that routine inspections of these signs continue to manage maintenance needs and ensure their ongoing effectiveness.

4.3 DO NOT CONSUME SIGN “CLEAN” RECOMMENDATIONS

Phase 1 sign replacements have been completed at the nine angler outreach piers. Since their installation, some new signs have been covered with stickers and graffiti, and 23 are recommended for cleaning. Cleaning efforts should be coordinated with staff from LACDPH, the City of Long Beach, and City of Seal Beach, as appropriate.

During the previous reporting period, signs at Phase 2 installation locations were recommended for cleaning. However, with Phase 2 sign installations scheduled, cleaning the old signs is no longer recommended. Instead, these signs should be replaced with new, updated DNC signs as part of Phase 2 of the installation plan.

Given the crucial role of DNC signs in raising public awareness of contamination risks, replacing missing and outdated signs is a higher priority than cleaning efforts. Locations where cleaning is recommended had new signs installed in 2025 and have multiple signs present.

4.4 DO NOT CONSUME SIGN “REPLACE” RECOMMENDATIONS

A total of 18 signs across all DNC sign areas are recommended for replacement. During Phase 1, one sign at Belmont Pier was unable to be installed. The location is effective, and the sign should be replaced.

There are 17 missing signs at effective beach and coastal locations that will be replaced during Phase 2. These areas remain without DNC signage and thus were not reinspected in 2025. The final installation locations of signs installed during Phase 2 will be coordinated with pier entities and LACDPH and documented using Global Positioning System data to ensure accurate tracking of individual signs.

4.5 DO NOT CONSUME SIGN “RELOCATE” RECOMMENDATIONS

The “Relocate” category is used for moving signs within the same DNC signage IC Program area to enhance visibility, such as shifting a sign from a northern railing to a southern railing. Four signs are recommended for relocation.

Pier J

Relocation recommendations from the 2023 to 2024 report have been completed. All four signs previously recommended for relocation are in good condition with no action needed (Section 4.2). As of this report’s writing, Pier J reportedly has four total signs installed at ideal locations. During the 2025 annual inspection in July, it was discovered that city personnel mistakenly installed new signs at old, ineffective locations. The FCEC worked with city personnel to relocate the signs to recommended locations for improved visibility. Two signs were moved from streetlight poles to fishing pier locations, one sign was installed between the two piers, and one sign was installed on the restroom structure near the northern fishing pier. Pier J is not included in the Appendix A inspection forms because the information was collected prior to new signs being relocated/installed and is no longer applicable.

Ballona North Creek/Playa del Rey Jetty

This location was not inspected in 2025. Based on previous reports, the current locations are ineffective and relocation is recommended. The exact location of the two new signs to be installed will be determined during Phase 2 of the installation plan:

- One sign should be relocated to improve visibility because the current location is obscured by a trash bin.
- A second sign near the parking lot should be relocated to the fishing pier.

Royal Palms/White Point

This location was not inspected in 2025. Based on previous reports, the current locations are ineffective and relocation is recommended. Sign installation plans for Phase 2 of the installation plan is as follows:

- The old sign should be replaced near its current location. The exact sign position will be determined by the pier entity completing installation.
- The missing sign should be replaced and relocated to the new lifeguard tower, as there are no existing structures for signage. If possible, signs on the lifeguard towers should be mounted between 48 and 60 inches above the ground.

4.6 DO NOT CONSUME SIGN “REMOVE” RECOMMENDATIONS

Eight signs are recommended for removal. The eight sign locations to be removed are as follows:

- Five planned signs were not installed during Phase 1 by the pier authority or LACDPH because locations were ineffective. These five locations include one sign at Santa Monica Pier, three signs at Venice Beach Pier, and one sign at Hermosa Beach Pier, as identified in Table 1 and A-1.
- One new sign installed under Phase 1 at Cabrillo Pier was determined by the EPA to be in an ineffective location.
- As a continued recommendation from 2024, the two missing signs at Ballona North Creek/Playa del Rey Jetty were determined to be redundant and ineffective.

4.7 DO NOT CONSUME SIGN “ADD” RECOMMENDATIONS

There is one location where a new sign was added during Phase 1 and one location where a sign addition is planned for Phase 2, as follows:

- During Phase 1, one sign was added to the existing Seal Beach area based on input from the City of Seal Beach authorities. The newly added sign is in good condition with no action needed and is included in the Section 4.2 sign count. The newly added DNC sign location is detailed in Table A-1 and shown in Appendix A monitoring photos.
- During Phase 3, one additional location should be added at Cabrillo Pier where frequent kayak and small boat fishing activities occur.

While planning for Phase 3, continue to evaluate fishing trends to determine where any additional new DNC signs should be added to the program and how many signs are needed to be effective at each area. The FCEC may consider installing additional signs at locations where anglers regularly fish from small boats. For example, enforcement activities have noted several boat launches with observed DNC fish catches that currently lack DNC signs. The bolded locations have reported the most DNC species caught:

- **Alamitos Bay (just north of Seal Beach Pier)**
- **Port of Long Beach/Long Beach Harbor**
- **Los Angeles Harbor/Port of Los Angeles**
- Davies Boat Launch

- Marina del Rey Boat Launch Ramp
- San Pedro
- Rancho Palos Verdes
- Point Fermin

APPENDIX A. DO NOT CONSUME SIGN INSPECTION RESULTS

- **Table A-1 DNC Sign Inspection Results and Recommendations**
- **Inspection Forms (*Maps, Individual Sign Locations, Conditions, Photographs*)**

TABLE A-1 DNC SIGN INSPECTION RESULTS AND RECOMMENDATIONS

Sign Number	Good	Decent	Fair	Poor	Missing	Inspection Notes
Santa Monica Pier						
1**					X	Sign 1. Missing. New sign not able to be installed in 2025; location ineffective, remove.
2	X					Sign 2. New sign installed in 2025.
3	X					Sign 3. New sign installed in 2025.
4		X				Sign 4. New sign installed in 2025. Decent condition. Recommend cleaning and repair. Broken edges around sign may be repaired with tape.
5		X				Sign 5. New sign installed in 2025. Decent condition. Recommend cleaning.
6		X				Sign 6. New sign installed in 2025. Decent condition. Recommend cleaning.
Venice Beach Pier						
1**					X	Sign 1. Location ineffective, remove.
2		X				Sign 2. New sign installed in 2025. Decent condition. Recommend cleaning.
3**					X	Sign 3. Location is unneeded, sufficiently covered by nearby signs 2 and 4; remove.
4		X				Sign 4. New sign installed in 2025. Decent condition. Recommend cleaning.
5		X				Sign 5. New sign installed in 2025. Decent condition. Recommend cleaning.
6**					X	Sign 6. Missing. Location is unneeded, sufficiently covered by nearby sign 5; remove.
Hermosa Beach Pier						
1**					X	Sign 1. Missing. Location ineffective, remove.
2	X					Sign 2. New sign installed in 2025.
3	X					Sign 3. New sign installed in 2025.
4	X					Sign 4. New sign installed in 2025.
5	X					Sign 5. New sign installed in 2025.

Sign Number	Good	Decent	Fair	Poor	Missing	Inspection Notes
Redondo Beach Pier						
1	X					Sign 1. New sign installed in 2025.
2		X				Sign 2. New sign installed in 2025. Decent condition. Recommend cleaning.
3		X				Sign 3. New sign installed in 2025. Decent condition. Recommend cleaning.
4		X				Sign 4. New sign installed in 2025. Decent condition. Recommend cleaning. Rail on the pier covers a portion of the sign. Less effective location: options were limited.
5		X				Sign 5. New sign installed in 2025. Decent condition. Recommend cleaning.
6		X				Sign 6. New sign installed in 2025. Decent condition. Recommend cleaning.
Cabrillo Pier						
1		X				Sign 1. New sign installed in 2025. Decent condition. Recommend cleaning.
2	X					Sign 2. New sign installed in 2025.
3		X				Sign 3. New sign installed in 2025. Decent condition. QR code is covered in graffiti and stickers. Recommend cleaning.
4		X				Sign 4. New sign installed in 2025. Decent condition. Recommend cleaning.
5		X				Sign 5. New sign installed in 2025. Decent condition. Recommend cleaning.
6		X				Sign 6. New sign installed in 2025. Decent condition. QR code is covered in stickers. Recommend cleaning.
7		X				Sign 7. New sign installed in 2025. Decent condition. QR code and EPA logo are covered in stickers. Recommend cleaning.
8	X					Sign 8. New sign installed in 2025. Good condition. Location is not highly visible to anglers; remove.
9*	<i>Sign Recommendation</i>					Sign 9. Recommend adding sign in 2026 to self-launch boat area.
Pier J						
1***	X					Sign 1. New sign installed in 2025.
2***	X					Sign 2. New sign installed in 2025.
3***	X					Sign 3. New sign installed in 2025.
4***	X					Sign 4. New sign installed in 2025.

Sign Number	Good	Decent	Fair	Poor	Missing	Inspection Notes
Rainbow Harbor						
1			X			Sign 1. New sign installed in 2025. Fair condition. Covered in graffiti. Recommend cleaning.
2		X				Sign 2. New sign installed in 2025. Decent condition. Recommend cleaning.
3			X			Sign 3. New sign installed in 2025. Fair condition. Covered in graffiti. Recommend cleaning.
4	X					Sign 4. New sign installed in 2025.
5		X				Sign 5. New sign installed in 2025. Decent condition. Recommend cleaning.
Belmont Pier						
1			X			Sign 1. New sign installed in 2025. Fair condition. Many stickers. Recommend cleaning.
2	X					Sign 2. New sign installed in 2025.
3	X					Sign 3. New sign installed in 2025. Good condition. Top bolt of sign needs to be tightened. Sign moves with strong gusts of wind.
4		X				Sign 4. New sign installed in 2025. Decent condition. Recommend cleaning.
5					X	Sign 5. New sign not able to be installed in 2025; location is considered effective, replace.
Seal Beach Pier						
1	X					Sign 1. New sign installed in 2025.
2	X					Sign 2. New sign installed in 2025.
3	X					Sign 3. New sign installed in 2025.
4	X					Sign 4. New sign installed in 2025.
5	X					Sign 5. New sign installed in 2025.
6	X					Sign 6. New sign installed in 2025 at river mouth based on City of Seal Beach input. Good condition, city/pier requested location for "Add."

Notes:

Not inspected in 2025: Ballona North Creek/Playa Del Rey Jetty, Ballona South, Dockweiler Beach, El Porto/El Segundo, Manhattan Beach, Rocky Point, Torrance Beach, and Royal Palms/White Point. Signs at these locations are missing or in poor condition. Sign replacement in these areas is ongoing; 17 signs will be replaced at these locations.

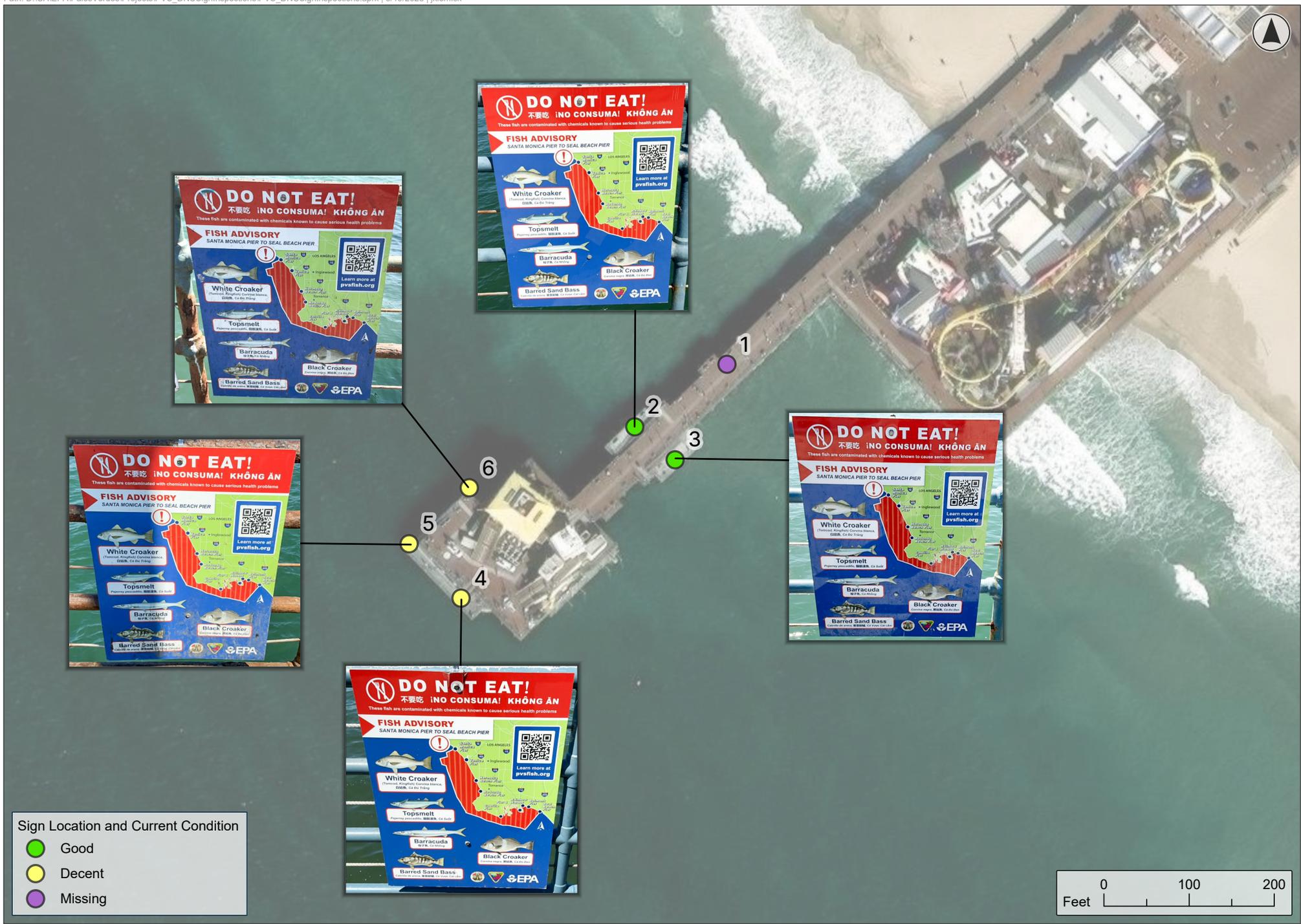
* Sign recommended, not currently installed.

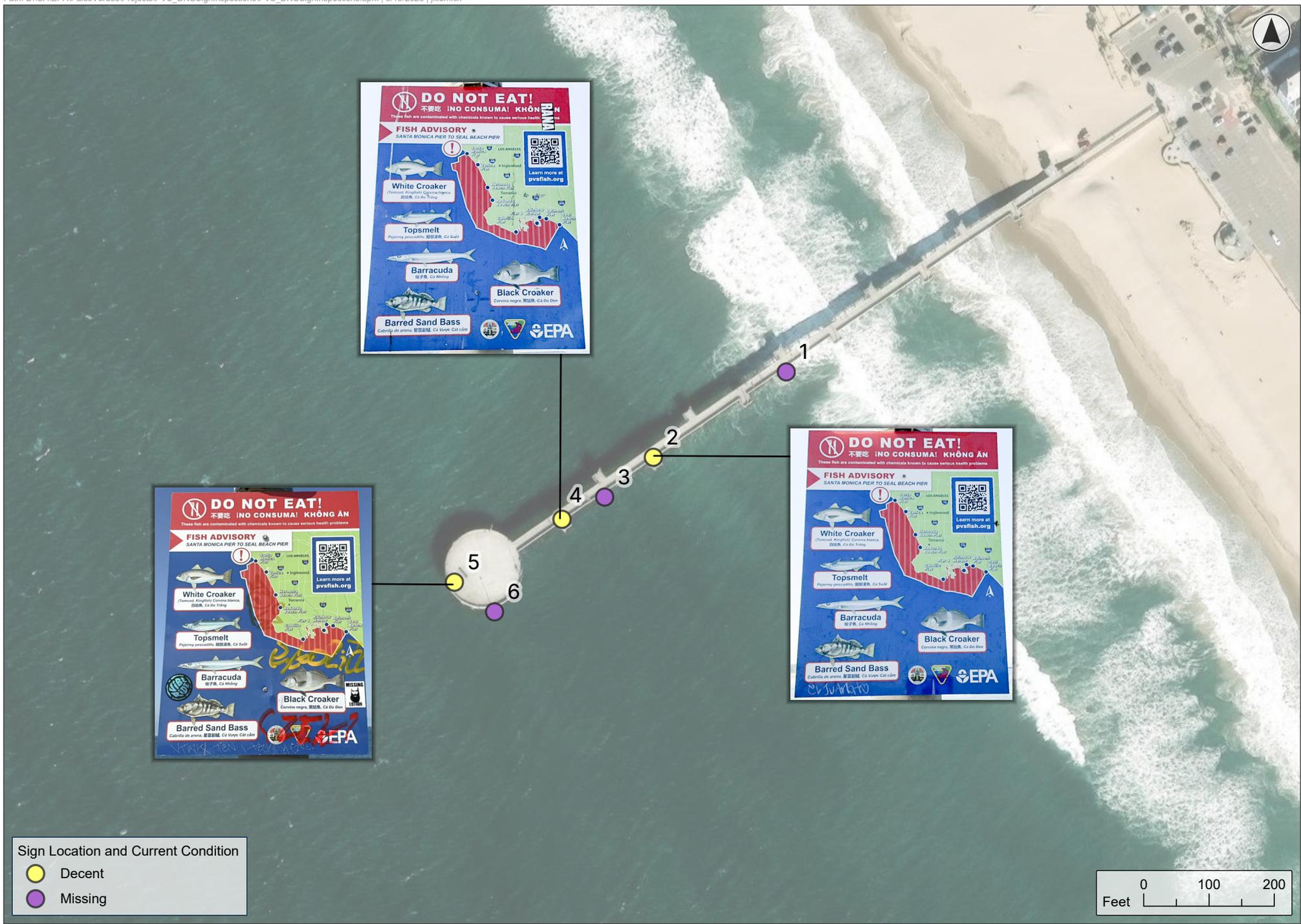
** Sign present during inspections, recommended for future removal.

*** At the time of reporting, the Pier J signs are all new and in good condition; all signs have been relocated to the new, effective locations at piers. The Pier J inspection form was completed prior to sign relocation and installation and are no longer applicable; thus the Pier J inspection form is not included.

INSPECTION FORMS

(Maps, Individual Sign Locations, Conditions, Photographs)

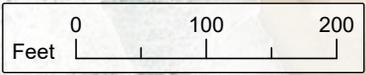






Sign Location and Current Condition

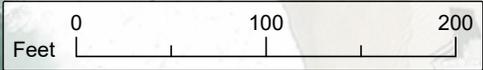
- Good
- Decent
- Missing





Sign Location and Current Condition

- Good
- Decent



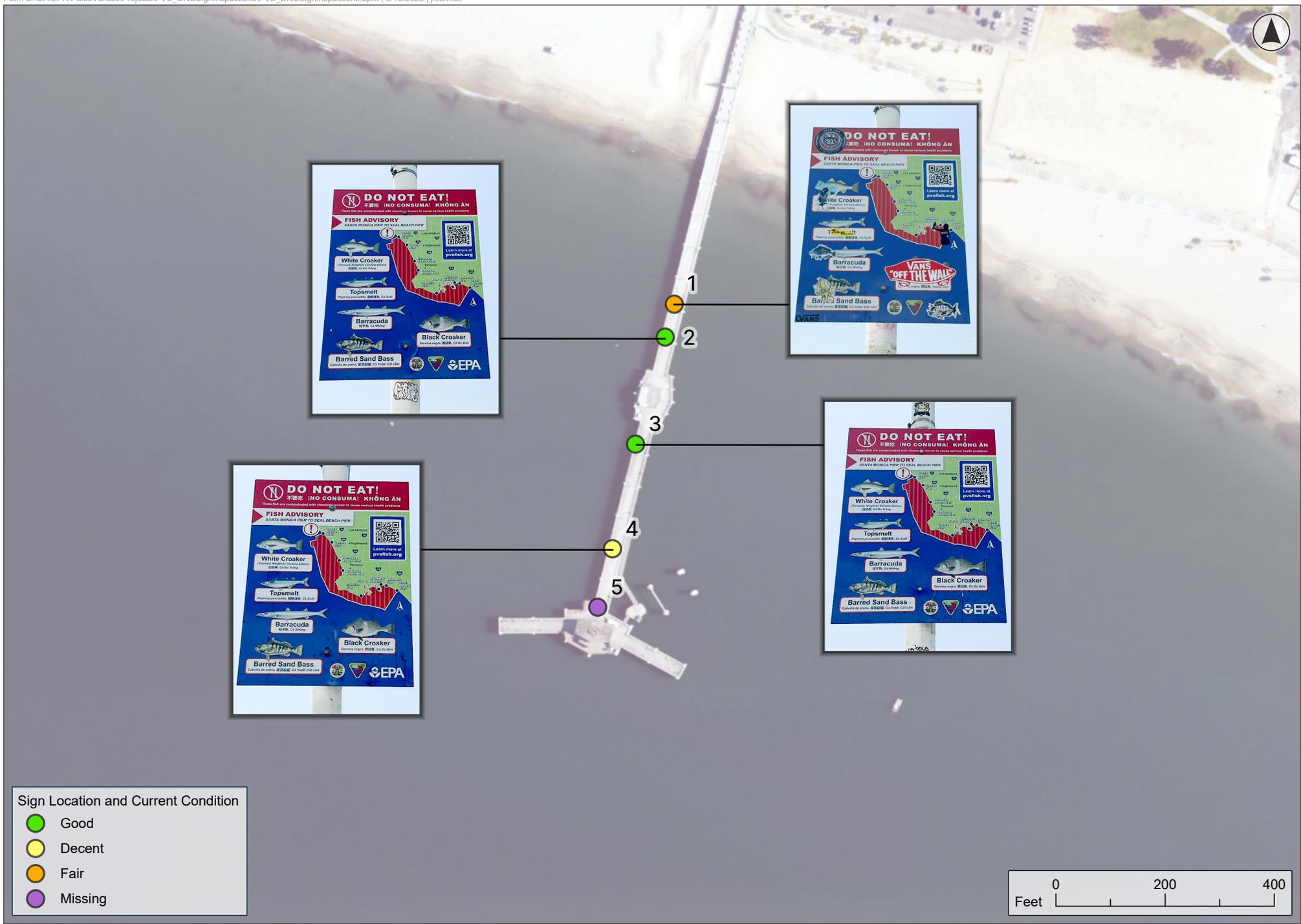


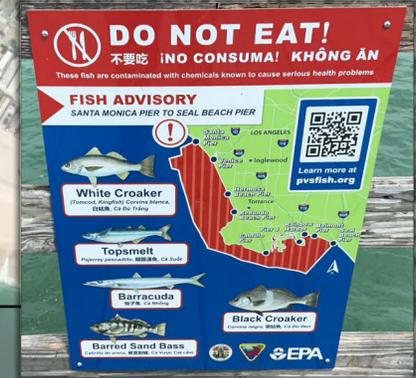
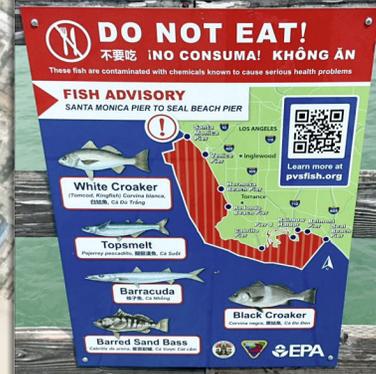


Sign Location and Current Condition

- Good
- Decent

0 200 400
Feet





Sign Location and Current Condition

● Good

