

# Coastal Pollution Data Explorer (CPDE) User Guide

## 3 ways to navigate:

Explore contaminant groups | Export data | Create customized report

The **Explore Data** button provides definitions and helps you navigate the available CPDE datasets (Legacy Contaminants, Contaminants of Emerging Concern (CECs), Trace Metals) by contaminant groups or metal. Read the description for each dataset and click on "Click here to explore" to choose **a contaminant group or a metal** and explore its spatial and temporal trends.

**Datasets include:**

<b>Legacy Contaminants:</b>	14 groups, almost 39K samples
<b>CECs:</b>	17 groups, over 3.5K samples
<b>Trace Metals:</b>	24 metals, over 58K samples

The screenshot shows the CPDE interface with the following elements highlighted by numbered callouts:

- 1:** The 'Legacy' dataset tab in the top navigation bar.
- 2:** The 'Butyltins' contaminant group selected in the 'Contaminant Group is:' dropdown.
- 3:** The 'Metadata' button in the top navigation bar.
- 4:** A help icon (?) in the top right corner.
- 5:** The map navigation tools (zoom in/out, home, selection tools) on the left side of the map.
- 6:** The additional map tools (search, add data, basemap, layers) on the right side of the map.
- 7:** The 'Total Mytilus Mussel Samples: 1,586' section, including a list of mussel types and their counts.

1 Choose a dataset

2 Choose contaminant group/metal

3 View description of the contaminant groups & analytes included

4 View the description of the dataset

5 Make a selection on the map (tools left)

+  
-  
Zoom in / out

Home icon  
Default extent

Selection tools icon  
Make & Clear Selection

6 Additional map tools (top right)

City or zip search

Add data

Change the basemap

Additional data layers

**Pro Tip!** Explore the additional data layers to deepen your understanding

7 Use side arrows to view average contamination and individual sites and trends. Scroll down to explore 4 matrices: Mytilus & Zebra mussels, Oysters, & Sediment.

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**Export data**

Create customized report

### Option 1: Download Data at Contaminant Group Level

The **Contaminant Group Level Data** option includes only long-term monitoring data and allows filtering the data by *contaminant group (analyte concentrations are totaled), area of interest, and species type*. The full dataset can be viewed and downloaded here as well as filtered datasets that reflect filters applied on the Explore page.

The screenshot shows the CPDE interface with the 'Download' tab selected. A dropdown menu is open, showing options: 'All data (377)', 'Set filter', 'Statistics', 'Zoom to', 'Pan to', and 'Export'. The 'Export' option is highlighted, and a sub-menu is visible with 'Export to JSON', 'Export to CSV', and 'Export to GeoJSON'. The 'Export to CSV' option is highlighted. Below the menu is a table of data.

Year	Matrix	Species	Contaminant	Total	Site	Region	Species
2,017	Tissue	CV	PFASs	0	ABOB	Gulf Coast	oyster
2,019	Sediment	SED	PFASs	0	ABWJ	West Coast	sediment
2,017	Tissue	CV	PFASs	0	AESP	Gulf Coast	oyster
2,018	Tissue	MC	PFASs	0	AHCM	West Coast	
2,021	Tissue	ME	PFASs	0.6824749	AIAC	Middle Atlantic	
2,018	Tissue	MC	PFASs	0	ANMI	West Coast	
2,020	Sediment	SED	PFASs	0.2725437	B16	Gulf Coast	sediment
2,020	Sediment	SED	PFASs	1.652682209	B5	Gulf Coast	sediment
2,020	Sediment	SED	PFASs	0.07298152	B6	Gulf Coast	sediment

### Option 2: Download Data at Analyte Level (Individual Contaminant)

Home Legacy CEC Metals Create Report **Analyte Level Data** Help

The screenshot shows the 'Analyte Level Data' filter interface. It includes several sections for filtering data:

- Region is:** CEC Analytes Download Example. Buttons: Great Lakes, Gulf Coast, North Atlantic, South Atlantic, West Coast.
- Study/Project is:** Select one or more (dropdown menu).
- Species:** Buttons: Oyster, Zebra Mussel, Lobster, Fish Filet, Conch, Sediment.
- Study Design is:** Buttons: Caged, Wild.
- Contaminant is:** Buttons: PFASs, Flame Retardants, Energetics, Surfactants, Sewage, Contemporary Use Pesticides, PPCPs.
- Analyte is:** Select one or more (dropdown menu).

The **Analyte Level Data** option provides a deeper level of granularity to the data and allows for advanced data filtering. Datasets include long-term monitoring data and special studies data and represent contaminants individually. Data includes: Legacy: > 500 unique analytes in 19 groups, CECs: > 300 unique analytes in 8 groups, Metals: 24 Trace Metals

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| **Create customized report**

The **Create report** button allows to generate a customized infographic report for the area of interest, explore the contaminants and metals that have been sampled there and compare the concentration to the regional and national trends.

Legacy #: 16,053  
CEC #: 2,006  
Metals: 24,532  
**Mytilus Mussels Report**

Legacy #: 2,499  
Metals: 10,779  
**Zebra Mussels Report**

Legacy #: 14,337  
CEC #: 1,243  
Metals: 19,320  
**Oysters Report**

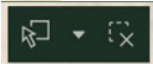
### 1 Make a selection on the map



Zoom in / out



Default extent



Make & Clear Selection

### 2 Choose the species for your report

Each Infographic report includes the summary of available Legacy Contaminants, Contaminants of Emerging Concern, and Metals data for Mytilus & Zebra Mussels, Oysters, and Sediment.

[Build New Report](#)

[Saving & Printing Tips](#) **3 Save & Print Report**

[Home page](#)

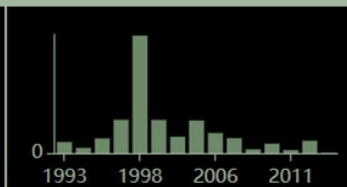
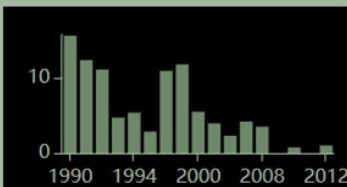


Report is generated for *Mytilus Mussel species* within the selected area. Scroll down the report to learn about contaminant averages over time and comparisons for regional and national trends.

#### Concentration Trends over time

Butyltins  
Data records: 190

Chlordanes  
Data records: 171



#### Compare Map Selection to Regional & National Trends

Contaminant	Mytilus Mussel Species			
	Map Selection	North Atlantic	West Coast	Nationwide
Butyltins	<b>4.501</b>	4.543	2.099	3.04
Chlorpyrifos	<b>0.023</b>	0.043	0.085	0.068
Chlordanes	<b>1.691</b>	2.034	1.742	1.852

*Tables in the report provide temporal trends and comparison to average concentration in other regions and nationwide*

### 3 Save the report and cite the data

At the top & bottom of the report page, please find tips on how to **save and/or print the report**. Please use the provided **citations** for data and infographic usage.