

Coastal Pollution Data Explorer (CPDE) User Guide

3 ways to navigate:

EXPLORE DATA

EXPORT DATA

CREATE REPORT

The **Explore Data** part includes **3 datasets** of the National Mussel Watch Program – **Legacy contaminants, Contaminants of Emerging Concern (CECs), and Trace Metals**. This part of the CPDE summarizes the sample distribution for each dataset and generates figures to help users understand how contaminant concentrations have changed over time. Analytes in the dataset are grouped by the contaminant type or metal and represented as totaled sums. Totaled sums may represent a subset of the available contaminants in each group or sampling years to preserve data continuity. Tissue data is reported in wet weight for easier comparison to data from other agencies and external guidelines (see "Published Thresholds"). Sediment data is reported in dry weights.

HOME

EXPLORE DATA

CREATE REPORT

ANALYTE LEVEL DATA

DATA OVERVIEW



1 Choose a dataset

2 Choose a contaminant group/metal

3 View description of the contaminant groups & analytes included

4 View the description of the dataset & Published Thresholds

5 Make a selection on the map (tools left)

6 Additional map tools (top right)

City or zip search

Add data

Change the basemap

Additional data layers

Fullscreen map

7 Use side arrows to view average contamination and individual sample concentration trends. Scroll down to explore 4 sample types: *Mytilus* mussels, *Dreissena* mussels, Oysters, & Sediment.

Zoom in / out

Default extent

Make & Clear Selection

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Option 1: Download Data at Contaminant Group Level

The **Explore Data** part 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.

HOME **EXPLORE DATA** CREATE REPORT ANALYTE LEVEL DATA DATA OVERVIEW

PFAS contaminant group
Download Example

Explore CEC

Download CEC Data

Selected CEC Contaminant Data Full CEC Contaminant Data

site_id	fiscal_year	longitude	latitude	matrix	scientific_name	cpde_explorer_group	unit
ABWJ	2019	-118.10100	33.73350	Sediment	Sediment	PFASs	ng/dry
AHCM	2019	-120.14220	34.47338	Mytilus Mussel	Mytilus californianus	PFASs	ng/wet
ANMI	2018	-119.39648	34.00593	Mytilus Mussel	Mytilus californianus	PFASs	ng/wet
CB_CBSW	2020	-122.40853	47.28950	Mytilus Mussel	Mytilus species	PFASs	g
CB_CBTf	2020	-122.43480	47.25930	Mytilus Mussel	Mytilus species	PFASs	g
CB_MW	2020	-122.42000	47.27000	Mytilus Mussel	Mytilus species	PFASs	g
CBCH	2020	-124.33083	43.35000	Mytilus Mussel	Mytilus species	PFASs	g

All data (150)
Set filter
Statistics
Zoom to
Pan to
Export
Export to JSON
Export to CSV
Export to GeoJSON
Export to Shapefile
Export to FGDB
Export to KML

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

HOME EXPLORE DATA CREATE REPORT **ANALYTE LEVEL DATA** DATA OVERVIEW

Region is:
Great Lakes Gulf Coast North Atlantic South Atlantic Pacific Coast

State is:
Select one or more

Study/Project is:
Select one or more

Species:
Oyster Dreissena Mussel Lobster Fish Filet Coral Sediment

Contaminant is:
PFASs Flame Retardants Energetics Surfactants Sewage

Analyte is:
Select one or more

Year is (optional):
Select one or more

CEC Analytes Download Example

The **Analyte Level Data** part includes all the data from the National Mussel Watch Program and other data collected by NCCOS represented at the **individual analyte level**. The data contains almost 1.5 million records from Mussel Watch long term and special studies programs, including:
Legacy: > 500 unique analytes in 19 groups,
CECs: > 300 unique analytes in 8 groups,
Metals: 24 Trace Metals

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3 ways to navigate:
EXPLORE DATA EXPORT DATA

CREATE REPORT

The **Create report** part allows users to generate a comprehensive report including all of the National Mussel Watch Program datasets (Legacy, CEC, Trace Metals) based on the selected matrix of interest. Reports give a contamination summary for the area of interest, allow users to see all the contaminants/metals sampled there, and compare the concentration to regional and nationwide averages. Datasets are grouped by the contaminant/metal and are represented as totaled sums.

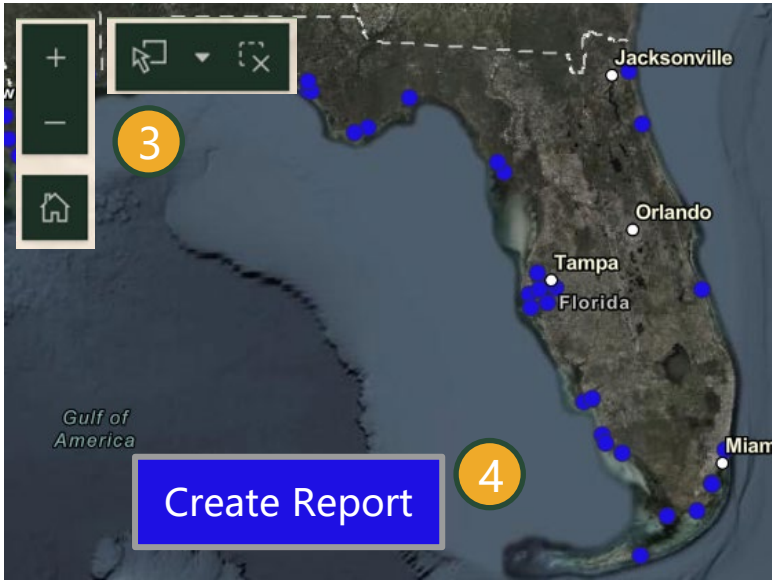
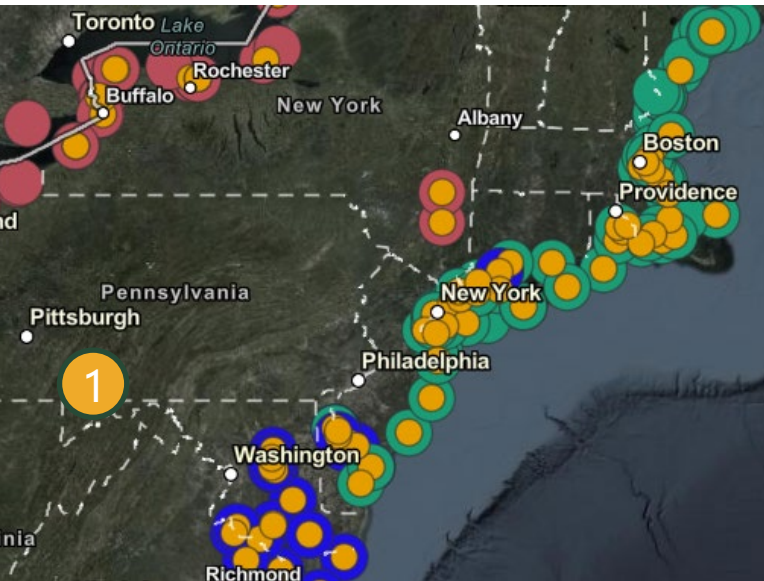
HOME EXPLORE DATA **CREATE REPORT** ANALYTE LEVEL DATA DATA OVERVIEW

Mytilus Mussels Report

Dreissena Mussels Report

Oysters Report **2**

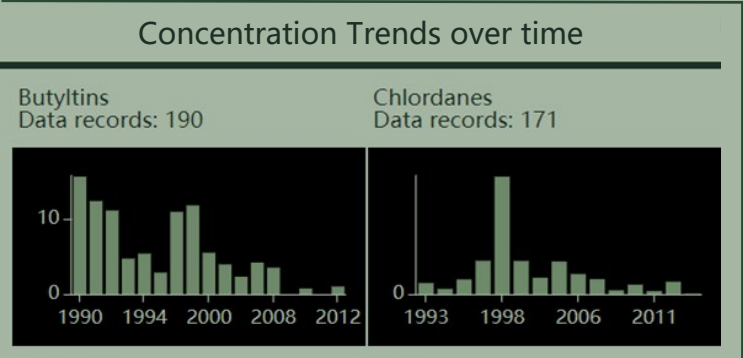
Sediment Report



- 1** Explore the matrix distribution map
- 2** Choose the matrix for your report
- 3** Select an area of interest
- 4** Create the report (consider loading time)

Build New Report **5** **Saving & Printing Tips** **Published Thresholds** **6** Home Page

The report is generated for **Oysters** within selected area. Please scroll down to learn about the average concentration of contaminants over time and compare it to regional and national trends.



Compare Map Selection to Regional & National Trends				
Contaminant	Oyster Species			
	Map Selection	South Atlantic	Gulf Coast	Nationwide
Butyltins	4.501	4.543	2.099	3.04
Chlorpyrifos	0.023	0.043	0.085	0.068
Chlordanes	1.691	2.034	1.742	1.852

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

- 5** Refer to tips on how to save and/or print the report. Use the provided citations for data and infographic usage.
- 6** Refer to the Published Thresholds document for comparison to data from other agencies and external guidelines