State of the Basin Report 2024

Water Management Advisory Committee Meeting

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Delaware River Basin Commission

DELAWARE • NEW JERSEY

PENNSYLVANIA • NEW YORK

UNITED STATES OF AMERICA

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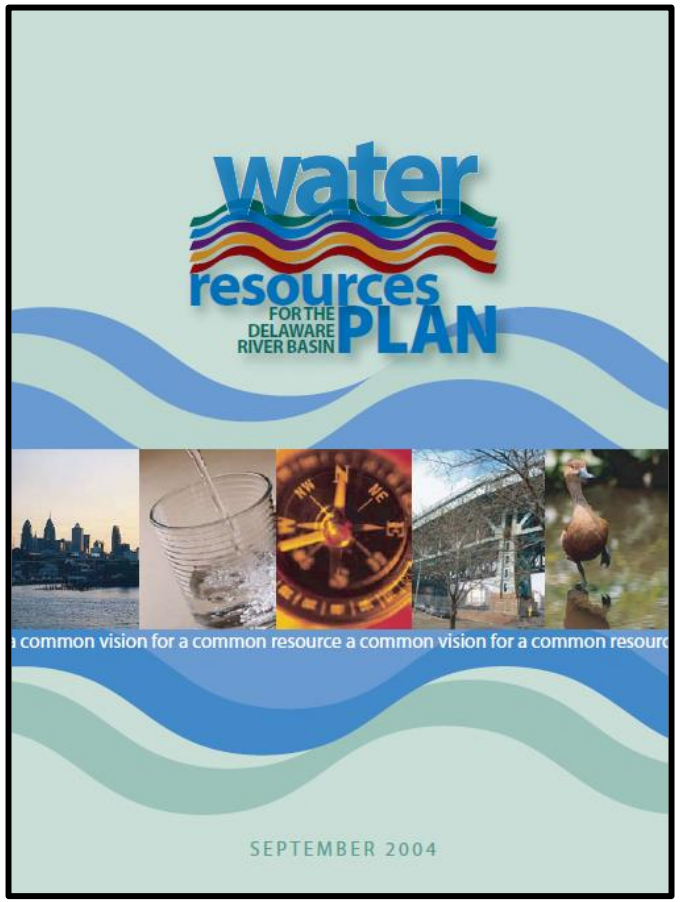
Background: State of the Basin Report

2004 Water Resource Basin Plan

- Compile environmental goals and indicators report every 5 years
- Define the ecological state of the basin
- Describe progress towards achieving results of the Basin Plan

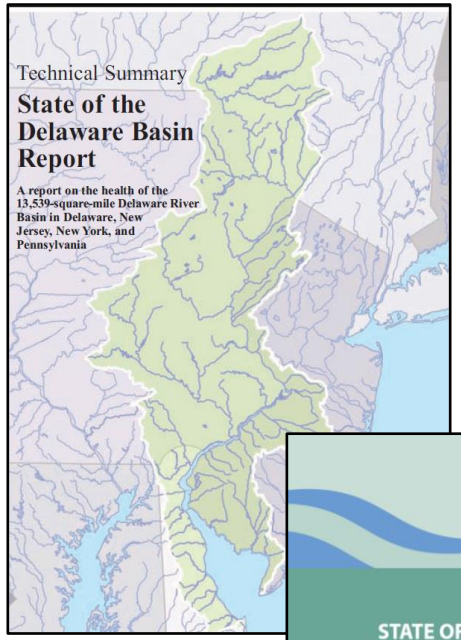
Purpose

- Assess if specific conditions within the basin are changing
- Multiple indicators can help produce a holistic overview

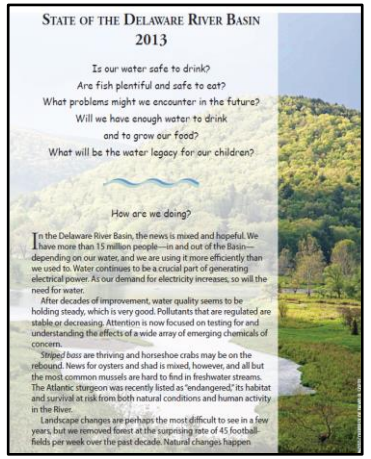


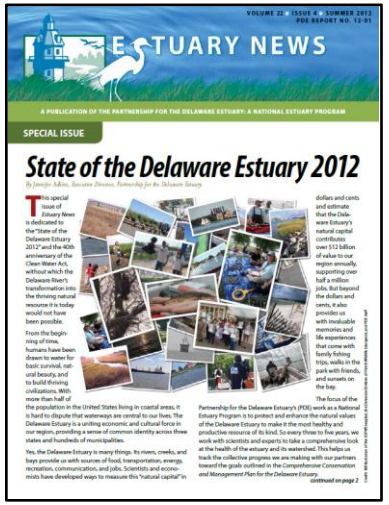
Foundational & Significant Delaware River Basin Reports

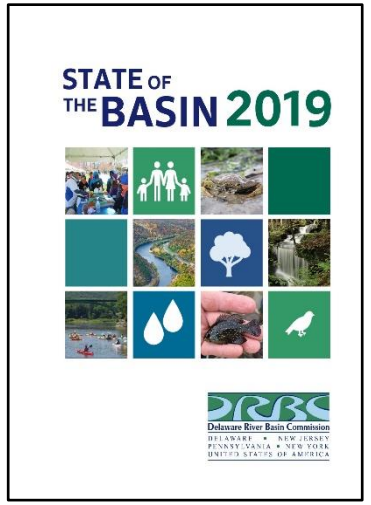
Foundational Basin Indicator Reports



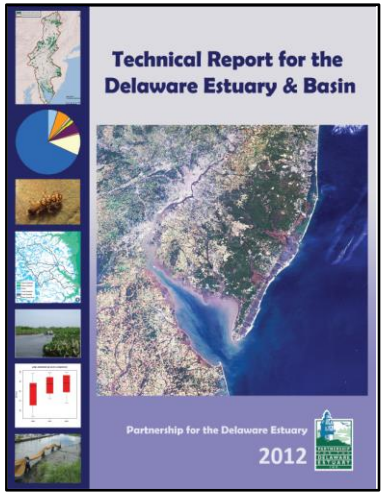
Public-facing, distilled reports

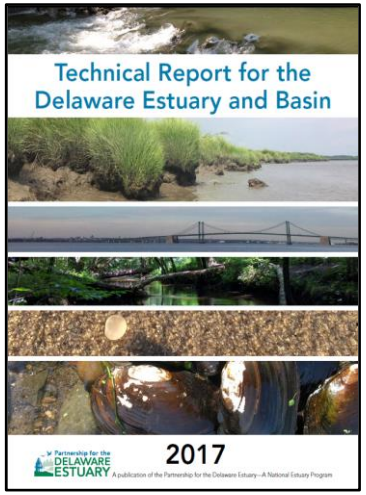


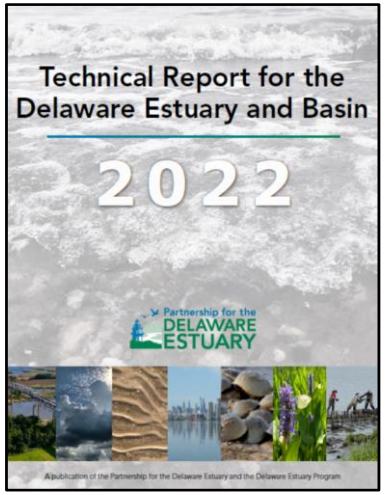




Detailed, high-level technical reports







2024 State of the Basin Draft Outline

1. Introduction

Basin overview

Political setting

Regional watersheds

Physiographic provinces

Tidal regions

Water quality zones

2. Watersheds & Landscapes

Population

Land cover

Impervious cover

3. Water Quantity

Water withdrawals

Consumptive use

Groundwater availability

Water loss & conservation

Trenton flow

Salt front

4. Climate Change

Precipitation

Air temperature

Sea level rise

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5. Water Quality

Dissolved oxygen

Nutrients

pH

Salinity

Temperature

Contaminants

Emerging contaminants

Whole effluent toxicity

Microplastics

Harmful algal blooms

6. Living Resources

Atlantic sturgeon

White perch

Striped bass

Weakfish

American shad

Brook trout

American eel

Freshwater mussels

Macroinvertebrates

Horseshoe crab

Eastern oyster

Blue crab

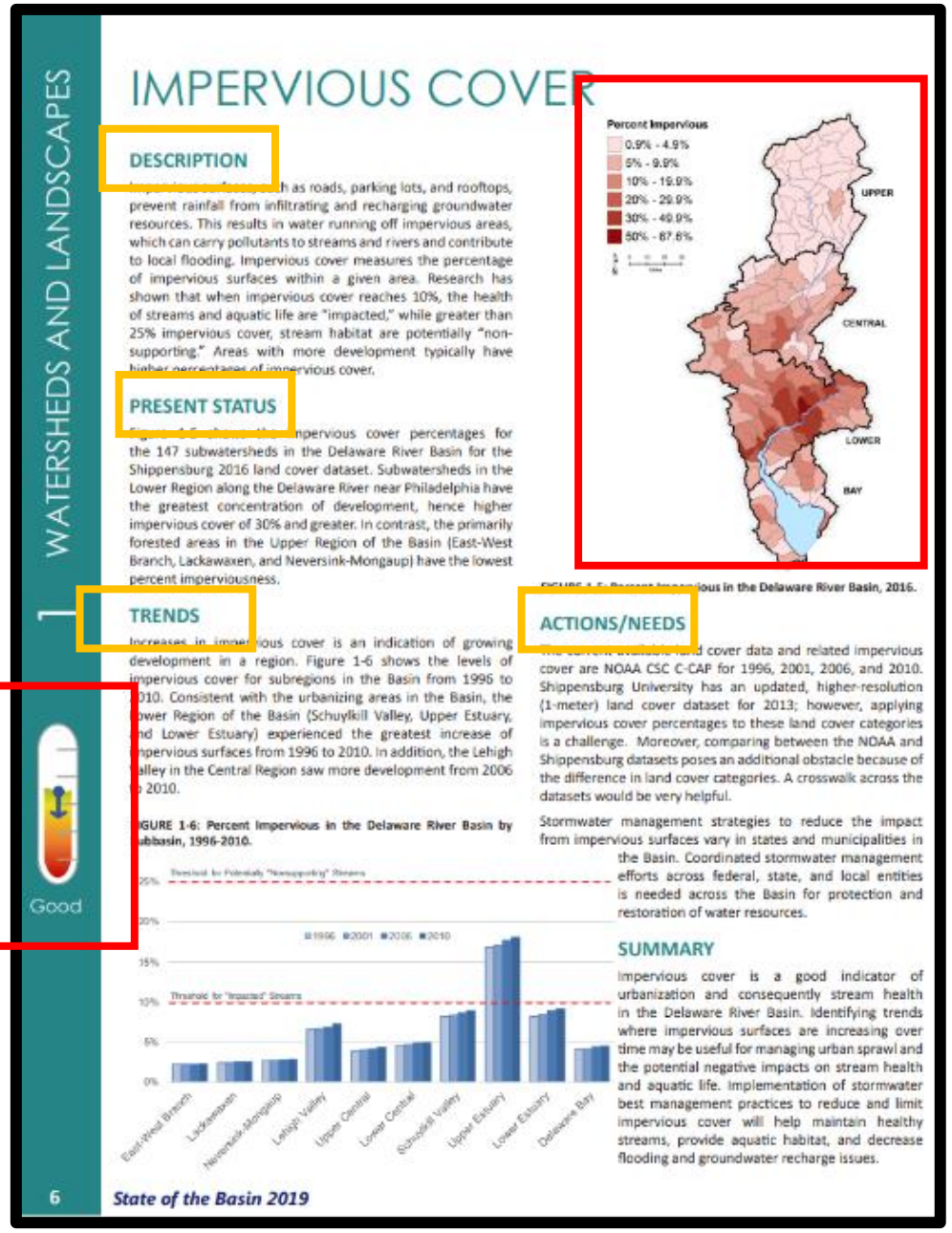
Osprey

Submerged aquatic vegetation

Invasive species

7. DEIJB

To be determined



Explaining Indicators

Improving

Worsening

No Trend

Very Good

Good

Fair

Poor

Very Poor

Current Timeline

April – July 2024:
Internal Draft Writing & Circulating for Comments

August - September 2024:

Internal Draft Due

Revisions as needed

September – October 2024:
Review by Commissioners

November 2024:
Expected Publication & Release

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