

# **Nutrients – Regulator Perspective**

**BACWA Annual Meeting**

**May 5, 2023**

Thomas Mumley

Assistant Executive Officer



# Nutrient Management Strategy



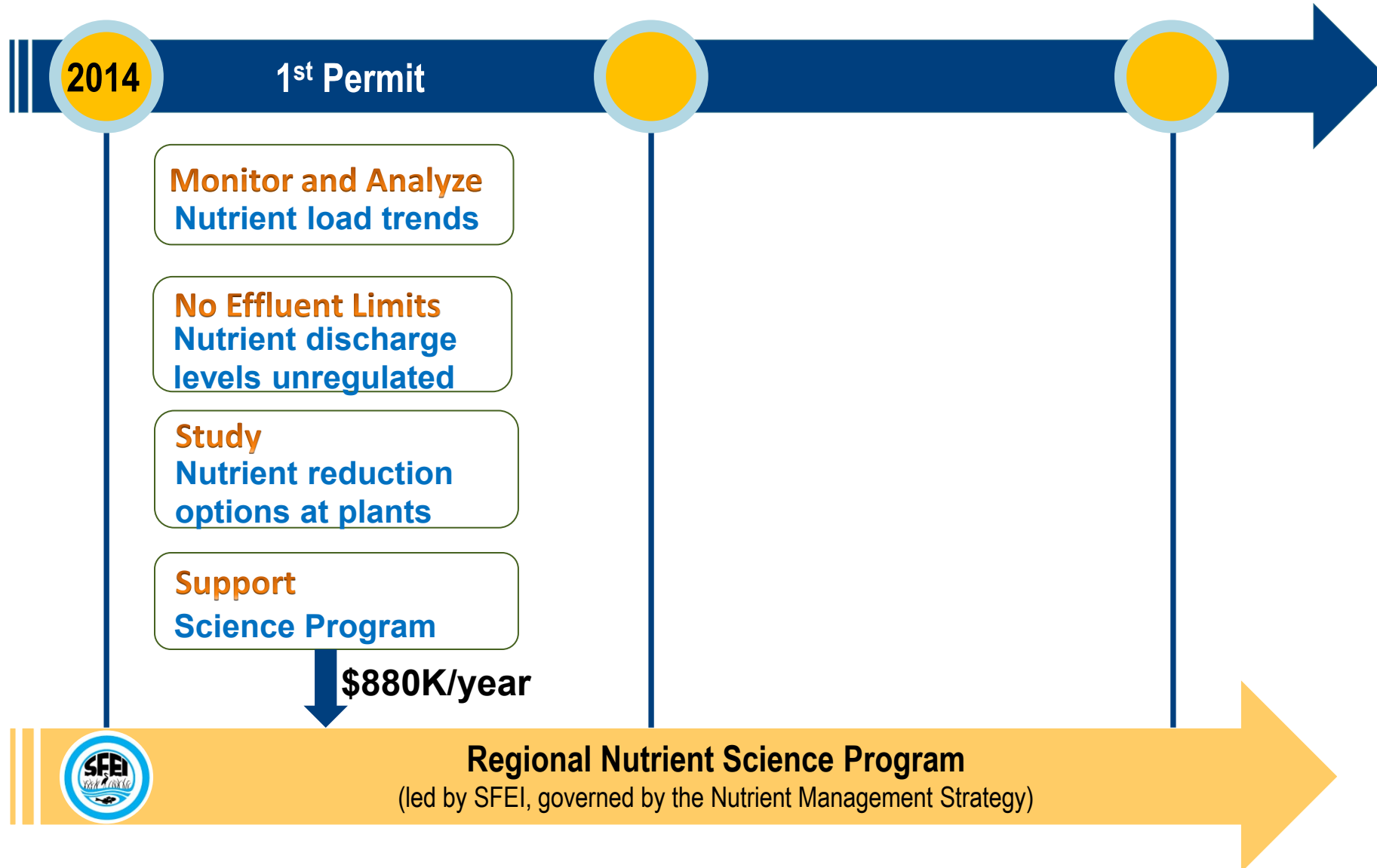
- 💧 New quality objective(s)?
- 💧 Science program
  - ❖ Assessment framework
- 💧 Management options
  - ❖ Grey and green alternatives
  - ❖ Multi-benefits

# Management Questions

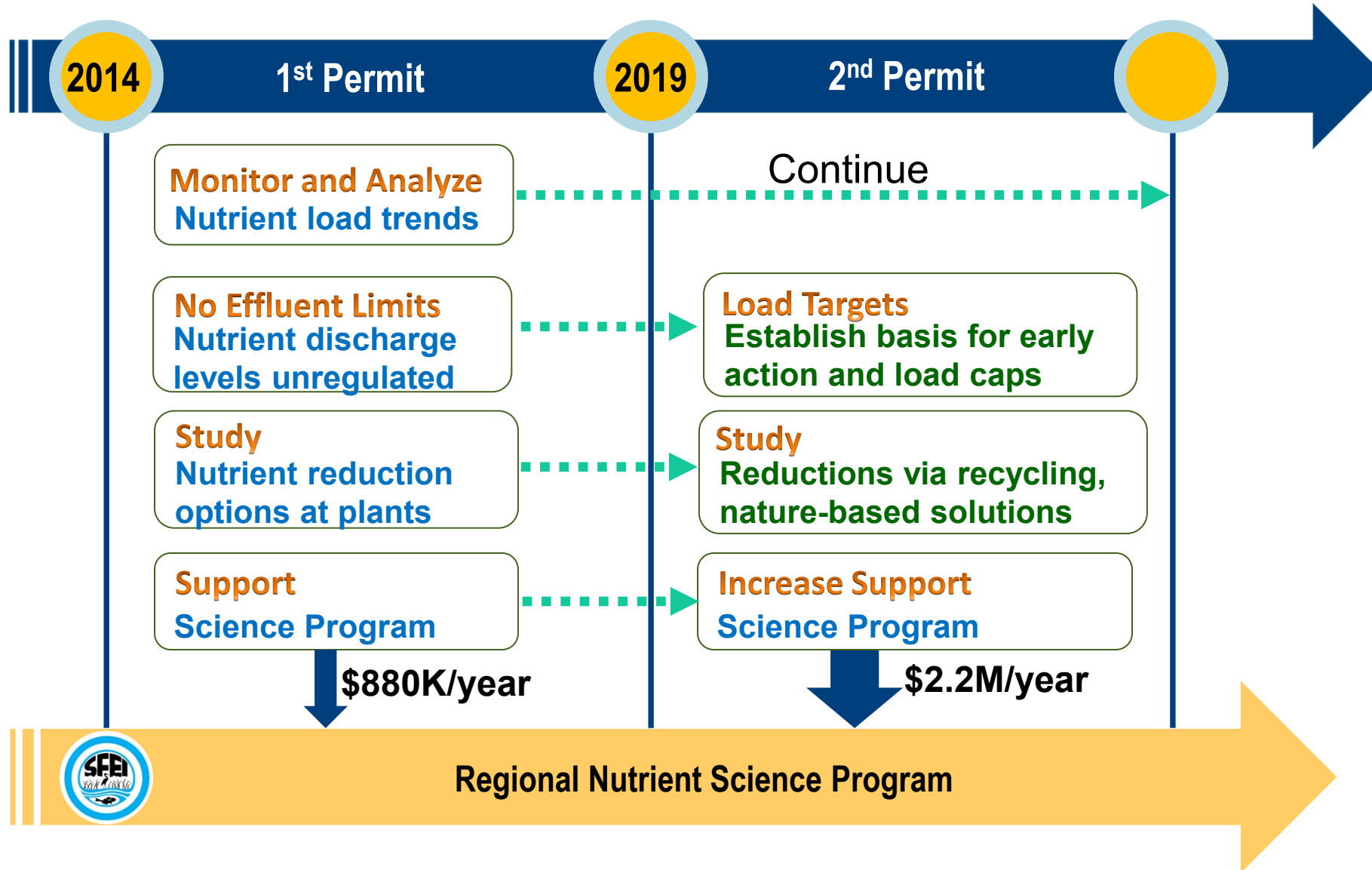
**Do nutrient loads result in adverse impacts now or under future scenarios?**

**What management actions will prevent or mitigate current or future impacts?**

# San Francisco Bay Nutrient Watershed Permit

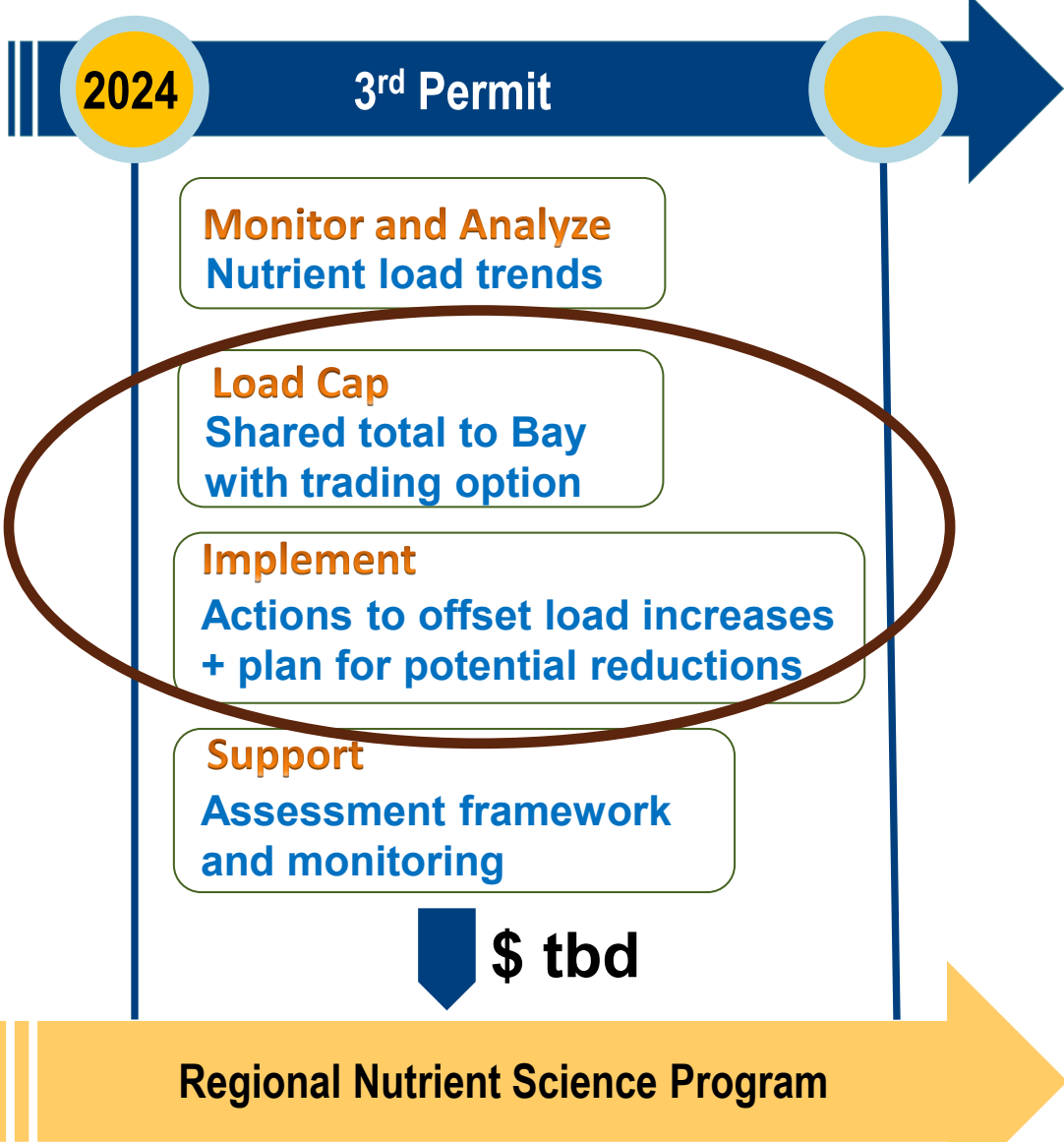


# San Francisco Bay Nutrient Watershed Permit

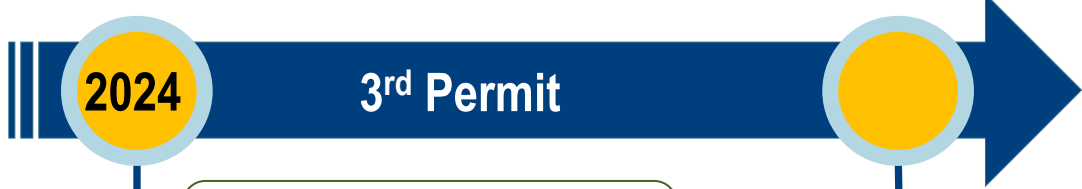


# San Francisco Bay Nutrient Watershed Permit

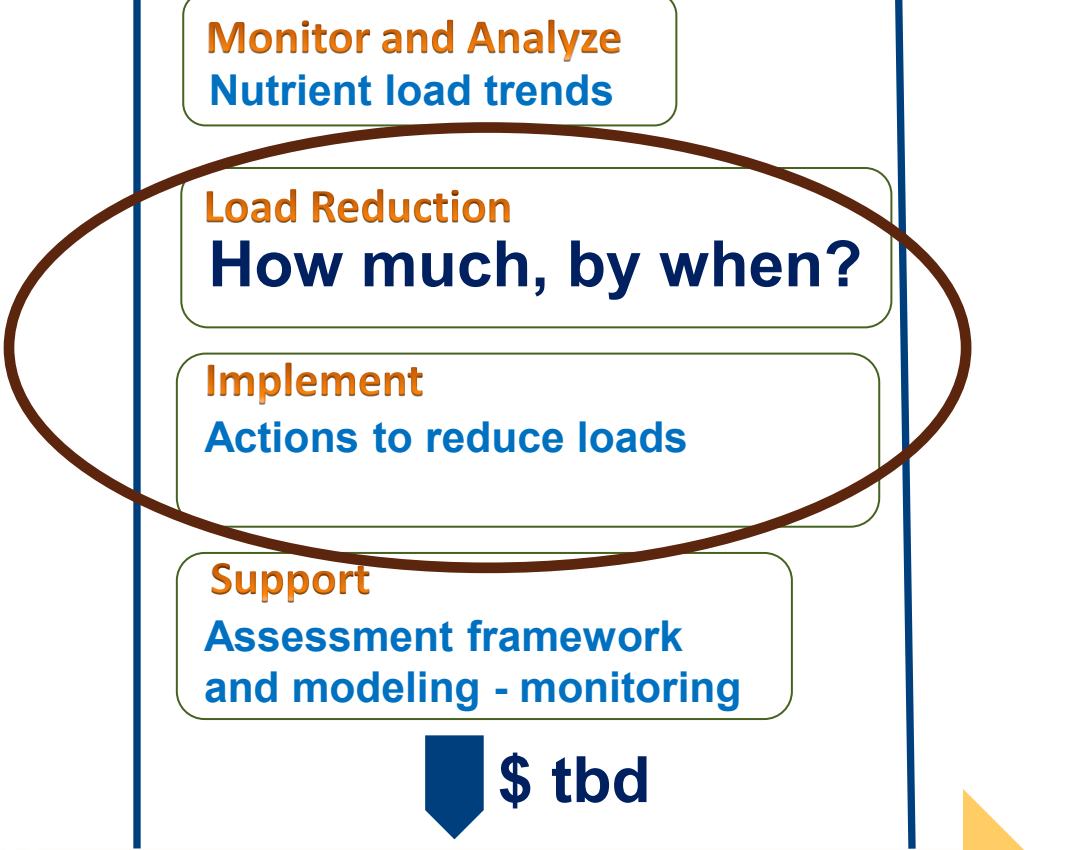
Pre-bloom



# San Francisco Bay Nutrient Watershed Permit



Post-bloom



# Nutrient Load Reduction Limits

## Compliance Schedule Policy\*

- 💧 New interpretation of water quality objective
- 💧 Maximum of ten years\*\* for **final limit**
- 💧 Must include **interim limit**

\* **State Water Board Resolution 2008-0025**

\*\* **TMDL-based schedule can be longer**



# Nutrient Load Reduction Limits

## Compliance Schedule Policy\*

- 💧 New interpretation of water quality objective
- 💧 Maximum of ten years\*\* for **final limit**
- 💧 Must include **interim limit**

