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# **Key Issues & Potential Modifications: Se TMDLs for the Newport Bay Watershed**

## **Workshop #2: Monitoring Program**

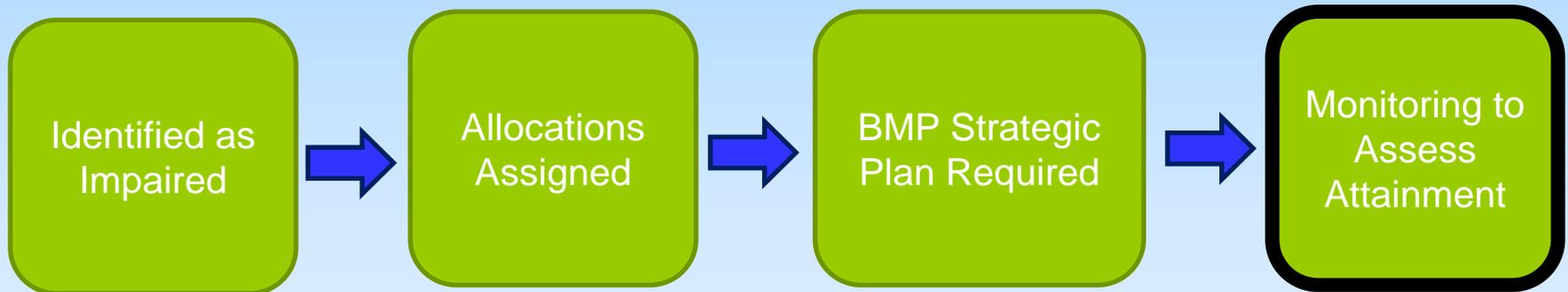
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# Purpose

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- Align monitoring program with the structure for the other TMDL sections
- Ensure monitoring program can be modified without a Basin Plan Amendment



# Key Points of Consensus

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- Purpose of monitoring program is for **assessment**; Compliance determined through the compliance options
- On-going monitoring in IRWD Wetlands, UCI Marsh, and Big Canyon Wash will be captured in Regional Monitoring Program(s)
- Short-term monitoring needs will be identified as special studies
- Monitoring Program will identify aspects that must be included (e.g. tissue and water column sampling) and items that should be **considered**

# Key Issues Overview

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- Assessment Areas (tissue-based targets)
- Assessment Points (WLAs)
- Special Studies
  - Inclusion in BPA
  - Identification of Special Studies

# Overview of Compliance Options

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- Several compliance options identified in Workshop #1
  - How compliance will be determined when TMDL is incorporated into permits
- Options include BMP-based compliance
- Several of the options allow Permittee to demonstrate compliance by demonstrating attainment of the numeric target or WLAs

# Key Issue:

## Assessment Areas (Tissue)

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- Assessment Area used as a term in the compliance options, but not yet defined

Attainment of tissue-based numeric targets over the specified averaging period, as measured in the Assessment Area

# Key Issue:

## Assessment Area (Tissue)

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### ■ Current Areas Identified:

- Swamp of the Frogs
  - PCW
  - SDC
  - Santa Ana-Delhi
- Off Channel Wetlands
  - UCI Marsh
  - IRWD Wetlands & Carlson Marsh
- Big Canyon Wash
- Upper and Lower Newport Bay

### ■ BMP Strategic Plans:

- San Diego Creek
- Santa Ana-Delhi Channel
- Big Canyon Wash

# Potential Modification: Assessment Area (Tissue)

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- Assessment Areas:
  - San Diego Creek
    - PCW
    - San Diego Creek
    - Off-Channel Wetlands
  - Santa Ana-Delhi Channel
  - Big Canyon Wash

# Key Issue:

## Assessment Point (Water)

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- Assessment Point used as a term in the compliance options, but not yet defined

Attainment of dry weather WLAs over the specified averaging period in the receiving water, as measured at the Assessment Point

# Key Issue:

## Assessment Point (Water)

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### ■ Current Areas Identified:

- PCW
- SDC Reach 1
- IRWD Treatment Wetlands & Carlson Marsh
- UCI Marsh
- Big Canyon Wash
- Santa Ana-Delhi Channel
- Upper Newport Bay
- Lower Newport Bay

### ■ BMP Strategic Plans:

- San Diego Creek
- Santa Ana-Delhi Channel
- Big Canyon Wash

# Potential Modification: Assessment Point (Water)

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- Clarify difference between areas where monitoring should occur vs. sites identified as assessment point for assigned WLAs
- Assessment Points:
  - SDC Reach 1 (Campus Drive)
  - Santa Ana-Delhi Channel
  - Big Canyon Wash

# Key Issue:

## Inclusion of Special Studies

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- Should special studies be included in the BPA, and if so, why?
- If studies are in the BPA, then studies must be conducted
- As information is evaluated, flexibility is likely needed (certain studies may no longer be needed or new studies may emerge)

# Potential Modification: Inclusion of Special Studies

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- Option 1:
  - Include in BPA only the special studies needed to reconsider the TMDL at the end of Phase I
  - Delete all other special studies
  - As part of annual report for RMP, require Permittees to assess if any special studies are needed
- Option 2:
  - Identify all special studies as optional

# Key Issue:

## Evaluate Need for Special Studies

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- Are special studies identified in 2009 Draft Staff Report still needed or appropriate?
  - Task 9 (Selenium Management Programs)
  - Task 10 (Special Studies)
- Based upon approach for including special studies, identify which studies are necessary to reconsider the TMDL

# Key Issue:

## Evaluate Need for Special Studies

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- Currently identified special studies:
  - Water Translation/SSO Model Study (Kd)
    - Existing data sufficient?
    - If using a simplified model, existing and future data sufficient
  - Longitudinal Tracking Study (loss of Se throughout watershed)
    - Still needed?
  - Newport Bay Se Mixing Model
    - No longer needed as no impairment in Newport Bay

# Key Issue:

## Evaluate Need for Special Studies

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- Big Canyon Wash:
  - Se source tracking in Big Canyon Wash
  - Recon survey of water and Se sources
  - Hydrology and source investigations

# Key Issue:

## Evaluate Need for Special Studies

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- UCI Marsh, IRWD Wetlands and Carlson Marsh
  - Sampling of water, particulate, algae, sediment, inverts, fish
    - Capture in Regional Monitoring Program
  - Se cycling model
    - Capture in Regional Monitoring Program
  - Flow map (how flows move through wetlands)
    - Capture in Regional Monitoring Program