B Street / Broadway Piers, Downtown Anchorage, and Switzer Creek TMDLs

Public Workshop

& CEQA Scoping Meeting

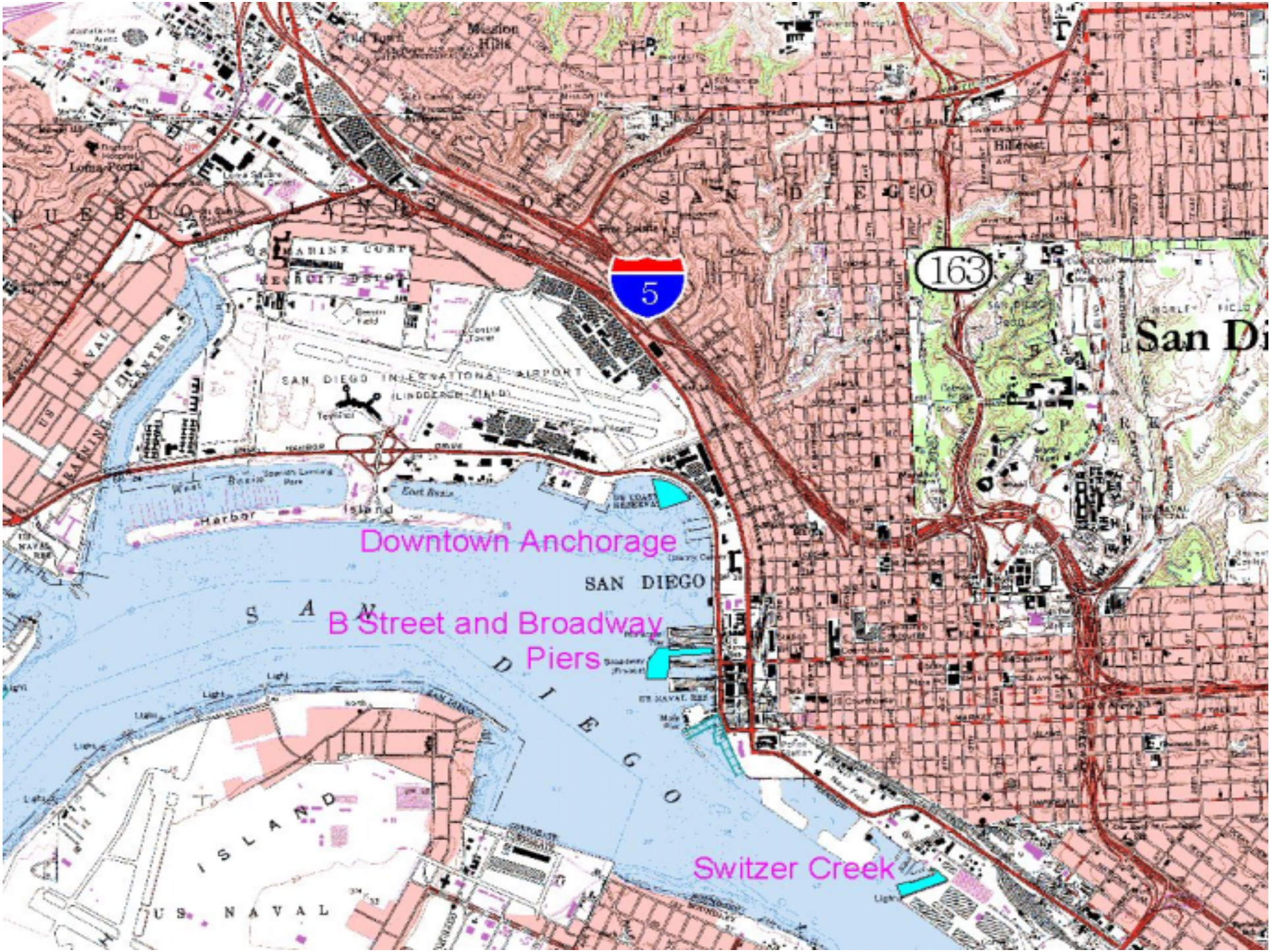
April 21, 2003

Presented by Brennan Ott

Workshop Outline

- Introduction to Downtown Anchorage, Switzer Creek, and B Street / Broadway Piers TMDLs
- Sampling and Analysis (UC Davis)
- CEQA Scoping Meeting

- Questions and Comments


Downtown Anchorage
B Street and Broadway Piers
Switzer Creek
SAN DIEGO
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SAN DIEGO INTERNATIONAL AIRPORT
Harbor Island
U.S. NAVAL

Site History

- 1996 and 1998 BPTCP reports
- Downtown Anchorage and Switzer Creek identified as Toxic Hot Spots and listed on 303(d)
- B Street / Broadway Piers listed on 303(d)

Downtown Anchorage (Formerly Grape Street) BPTCP Results

Parameter	BPTCP Station 90002
Amphipod Toxicity	x
Benthic Community	x
Chlordane	x
Metals	x

Switzer Creek
BPTCP Results

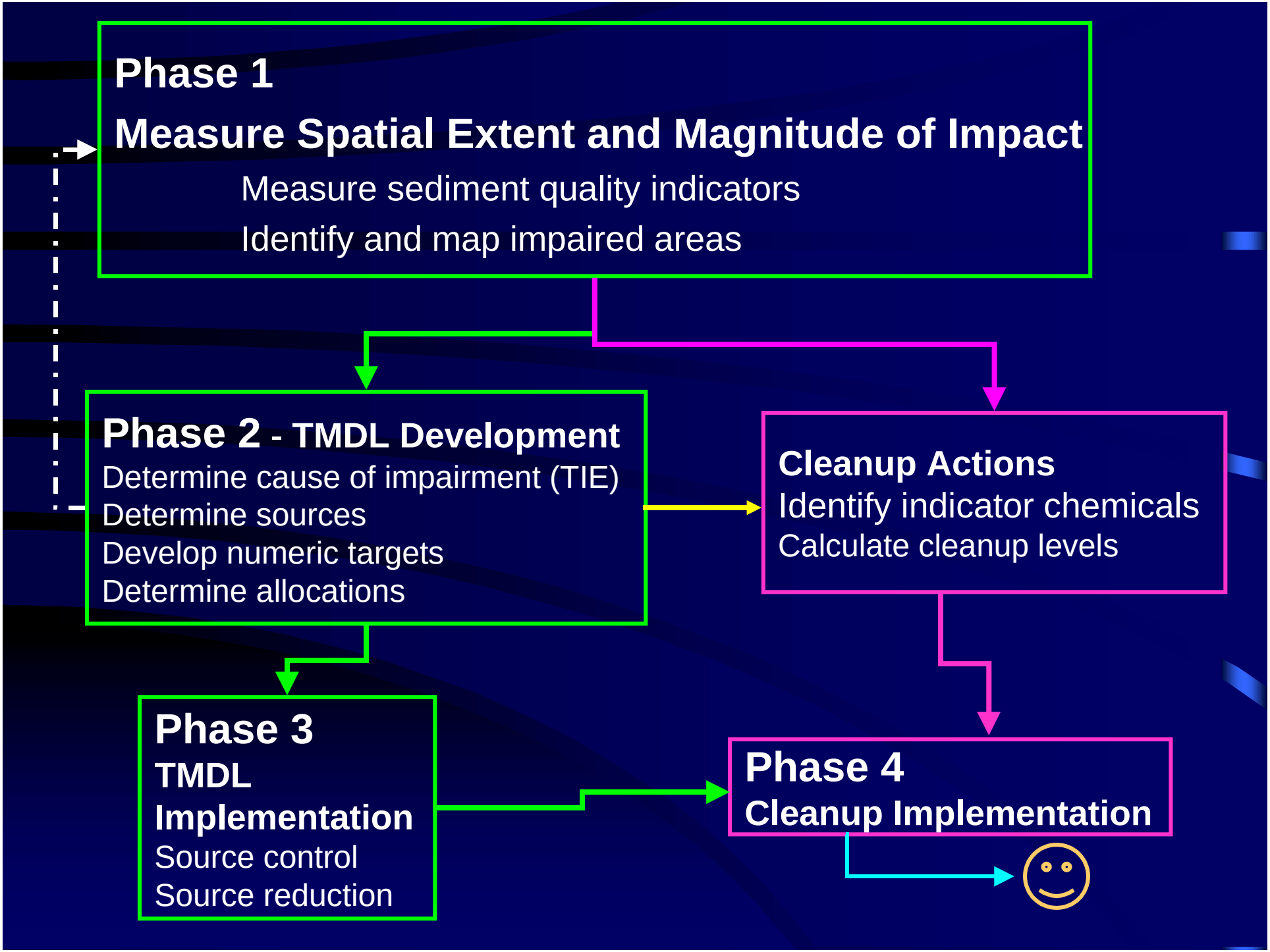
Parameter	BPTCP Station	
	90017	90039
Amphipod Toxicity		x
Benthic Community	x	x
Chlordane	x	x
Metals	x	x

B Street / Broadway Piers (Formerly Downtown Piers) BPTCP Results

Parameter	BPTCP Station		
	90003	93205	93206
Amphipod Toxicity			
Benthic Community	x	x	x
Chlordane	x		x
PAH	x	x	x

Beneficial Uses

Aquatic Life	Aquatic-Dependent Wildlife	Human Health	Other
Estuarine Habitat (EST)	Wildlife Habitat (WILD)	Shellfish Harvesting (SHELL)	Navigation (NAV)
Migration of Aquatic Organisms (MIGR)	Preservation of Biological Habitats of Special Significance (BIOL)	Contact Water Recreation (REC-1)	Industrial Service Supply (IND)
Marine Habitat (MAR)	Rare, Threatened or Endangered Species (RARE)	Non-Contact Water Recreation (REC-2)	
		Commercial and Sport Fishing (COMM)	


Phase 1
Measure Spatial Extent and Magnitude of Impact
Measure sediment quality indicators
Identify and map impaired areas
Phase 2 - TMDL Development
Determine cause of impairment (TIE)
Determine sources
Develop numeric targets
Determine allocations
Cleanup Actions
Identify indicator chemicals
Calculate cleanup levels
Phase 3
TMDL Implementation
Source control
Source reduction
Phase 4
Cleanup Implementation

TMDL Elements

- Problem statement
- Numeric targets
- Source analysis
- Linkage analysis
- Margin of safety
- TMDL
- Allocations
- Implementation plan

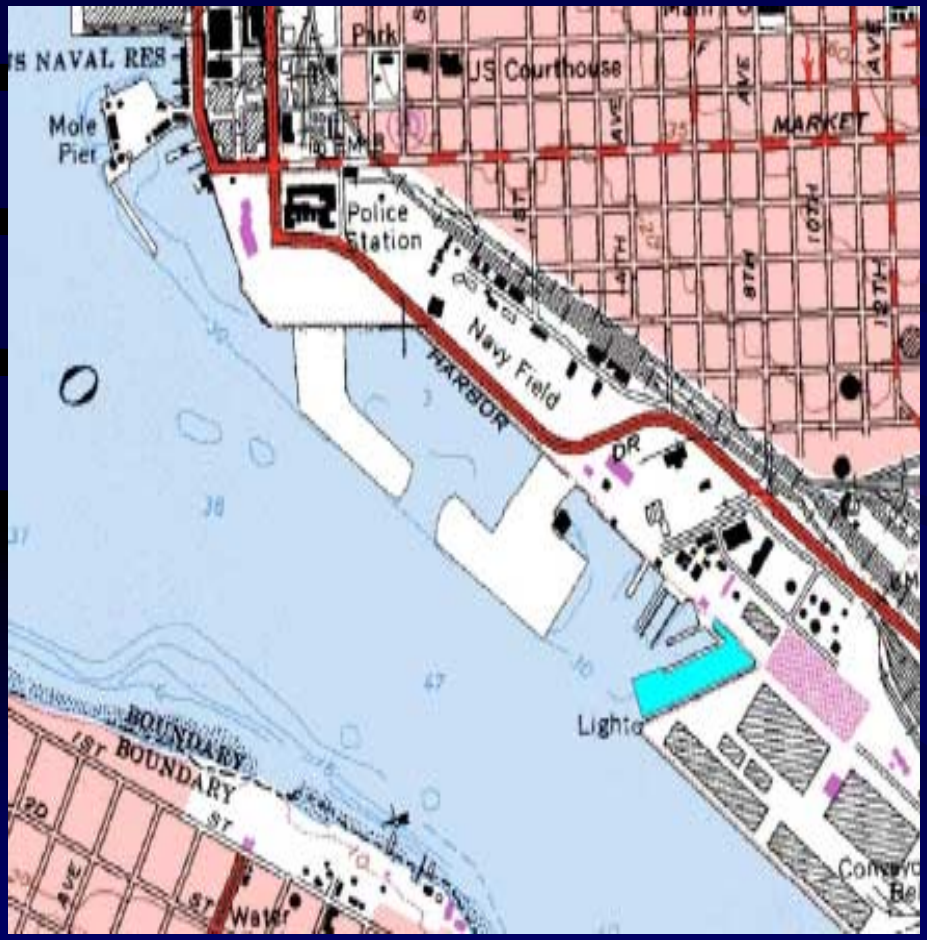
Site Assessment

- Data collection starting June 2003
- Sampling and analysis similar to Bight 98, Shipyard, and Chollas/Paleta studies
- Data needed
  - Sediment chemistry
  - Bioaccumulation
  - Toxicity
  - Benthic community
  - Toxicity Identification Evaluation (TIE)

Project Challenges

- Determining cleanup levels
- Identifying sources
- Controlling sources
- Evaluating cleanup alternatives
- Cleanup of sediments
- Re-suspension of sediment

Switzer Creek



Site specific issues

- Proposed Campbell shipyard cap
- Dredging at 10th Ave Marine Terminal
- Switzer Creek
- Ship activity

Downtown Anchorage

Site specific issues

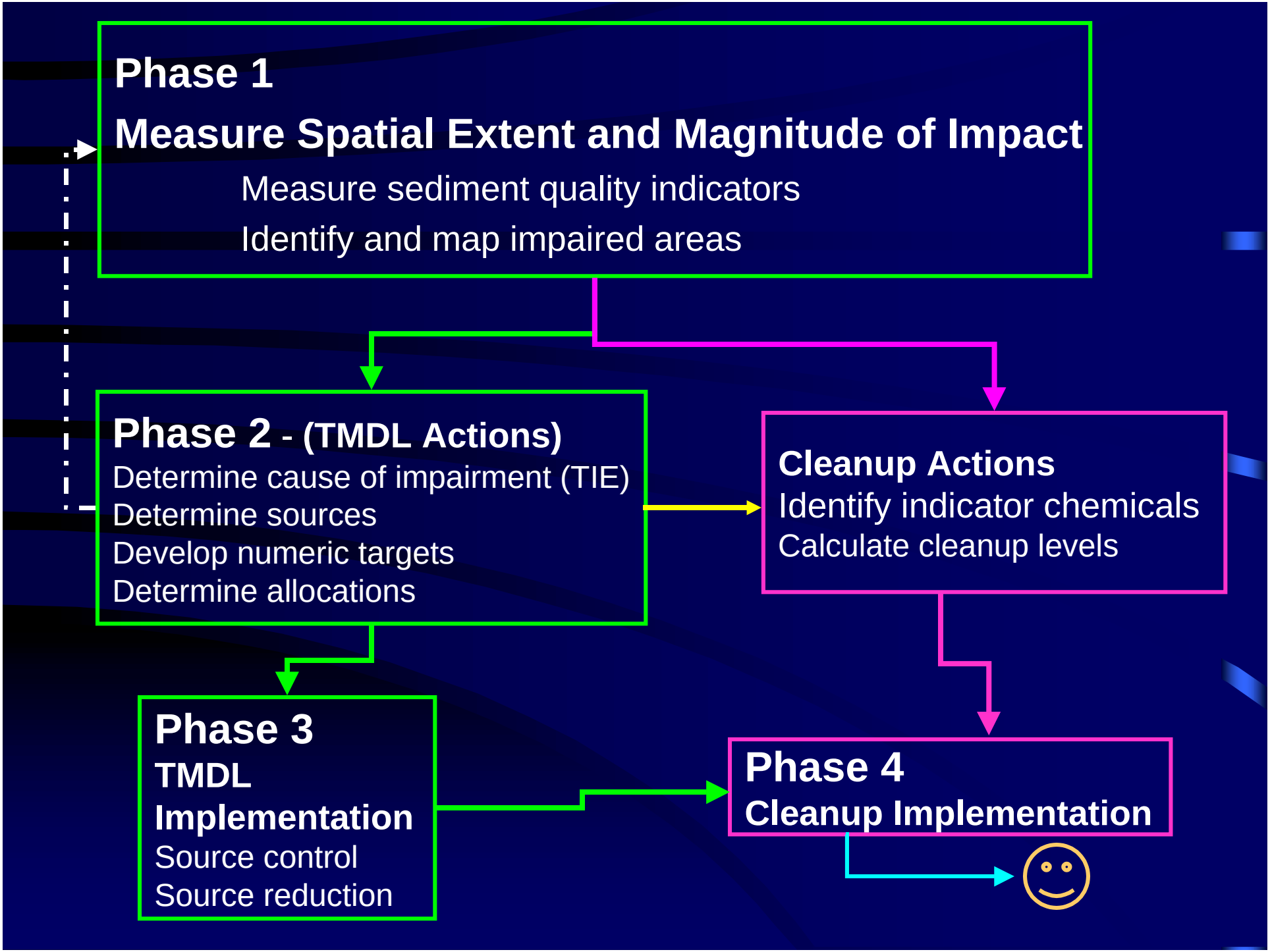
- Other investigations
- Stormdrains

B Street / Broadway Piers

Site specific issues

- Ship activity
- Stormdrains

Target Schedule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Target Schedule

- Phase I - March 2004
- Phase II - March 2005

San Diego Bay TMDLs Working Group

- Committed group to advise the Regional Board and participate during the TMDL process
- Emphasis on implementation planning
- Key representatives from various stakeholder groups

Public Participation

- Subscription lists
- Web-site: www.swrcb.ca.gov/rb9
- Email: SDBAY_TMDLS@rb9.swrcb.ca.gov
- Informal public input
- Formal comment period
- Brennan Ott: otbre@rb9.swrcb.ca.gov or (858) 268-5362