

STORMWATER DEPARTMENT

# Damon 1, Garnet 2, MBHS 1, and PB-Olney 1 Emergency Maintenance Projects

Presentation to the Pacific Beach Community Planning Committee  
February 12, 2025



The City of  
**SAN DIEGO**



# Introduction and Presenters

## Channels Team Presenters

- Introduction - Lester Del Rosario, P.E. Senior Civil Engineer
- Presenter – Gabrielle Borquez, Assistant Environmental Planner
- Presenter – Melissa Hamendi, Associate Civil Engineer



# January 22 Rain Event & Emergency Declaration

## January 22, 2024 Rain Event

- Combination of an Atmospheric river and thunderstorm activity led to heavy rains
- Height of the storm occurred around 10 am with a max intensity of 2 inches per hour
- Typical heavy rainfall for SD County is 0.3 inches per hour
- Extreme flooding was reported across southern San Diego County – El Cajon, Pine Valley, downtown to Fashion Valley and National City to San Ysidro.
- The rainfall rate was considered to be the equivalent to a 1000-year rain event
- The amount recorded in San Diego represents the fourth wettest day on record (since 1850) and the wettest January day on record.

## Emergency Declaration Timeline

- **January 22, 2024** - City and County declared local emergency in anticipation that state and federal resources would be needed
- **January 23, 2024** - California declared an emergency in San Diego and Ventura counties to support recovery efforts
- **March 19, 2024 – November 19, 2024** – City Council adopted a resolution declaring a continued state of local emergency

# Emergency Maintenance Defined



- In accordance with the Municipal Waterways Maintenance Plan (MWMP), emergency maintenance results from a sudden unexpected occurrence, involving a clear and imminent danger, demanding immediate maintenance or repair action to prevent or mitigate loss of, or damage to, life, health, property, or essential public services.

# Presentation Overview



## Damon 1 & Garnet 2

- Project Location
- Project Background
- Before and After Photos

## MBHS 1 & PB-Olney 1

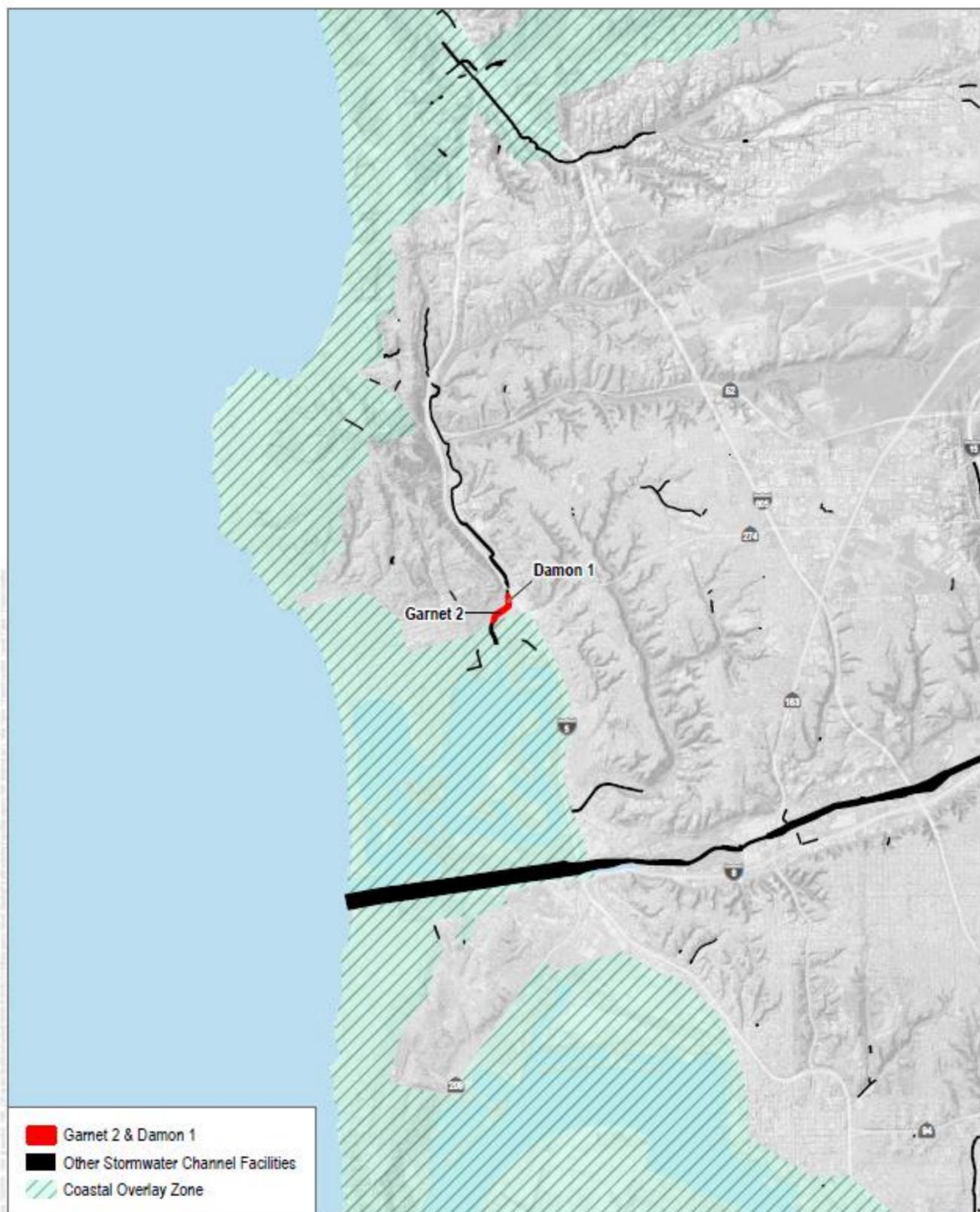
- Project Location
- Project Background
- Before and After Photos



# Damon 1 and Garnet 2



# Project Location



SOURCE: SanGIS 2023



FIGURE 1

Project Location

Garnet 2 & Damon 1 – Final Monitoring Report – City of San Diego Emergency Maintenance 2024



# Project Location



 Maintenance Area     Garnet 2  
 Damon 1



**Garnet 2 (3-02-003) & Damon 1 (3-02-005)**  
FY 24 Emergency Channel Maintenance  
Municipal Waterways Maintenance Plan Annual Report  
October 2024



# Project Background

- High levels of sediment, vegetation and debris within the channel due to an intense rain storm on January 22, 2024
- Alleviate the threat to life and property caused by impending conditions and precipitation forecast

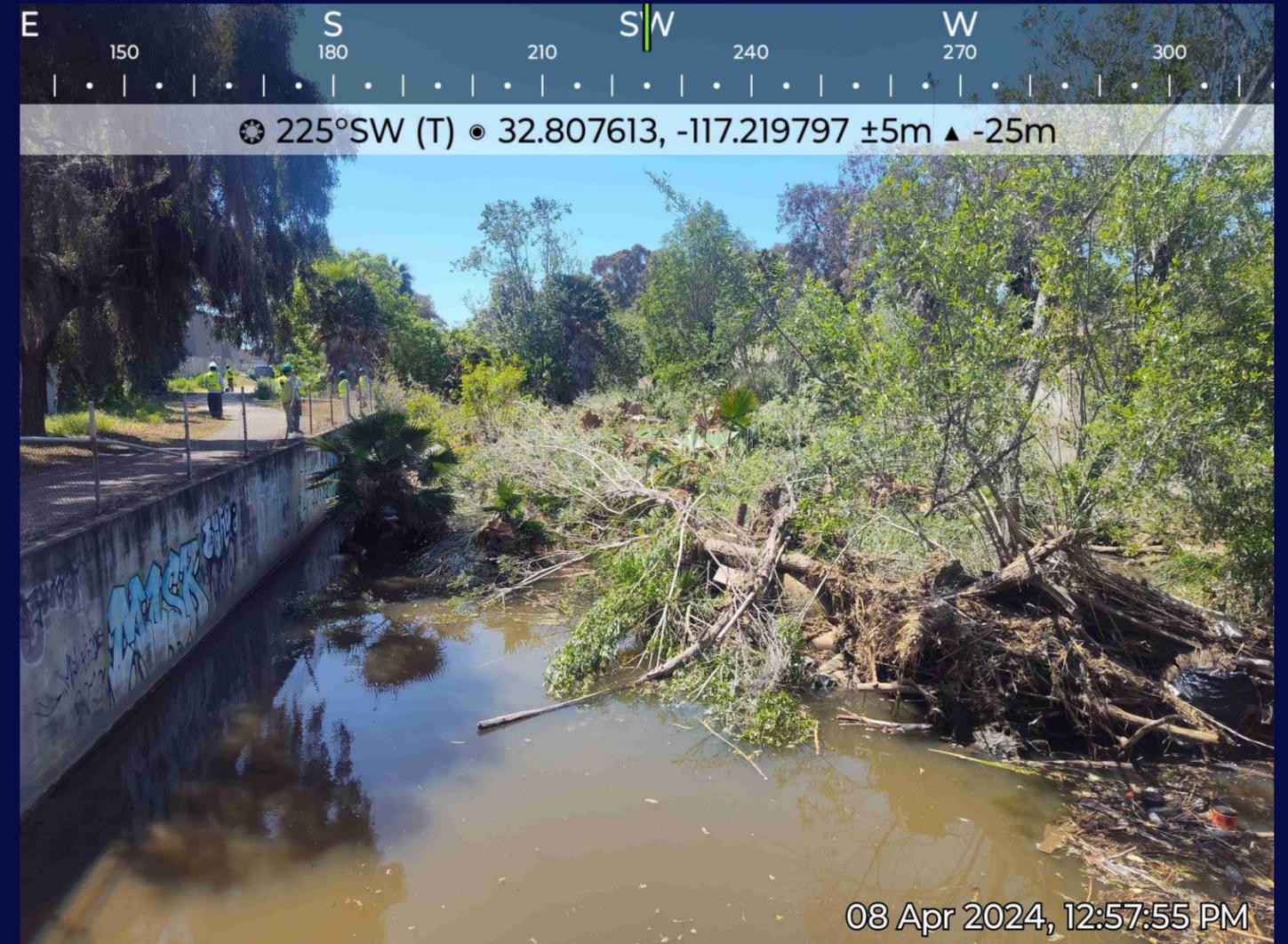


**Buildup of vegetation within the channel, blocking flow  
(3/29/2024)**



# Scope & Purpose

- Clear channel of any sediment, vegetation or debris blockage to allow water to flow
- The emergency project removed material to restore the conveyance capacity of these two channel locations



Vegetation blockage in the channel (4/8/24)

# Initial Conditions



Channel on first day of maintenance- 4/5/24

# Post- Maintenance

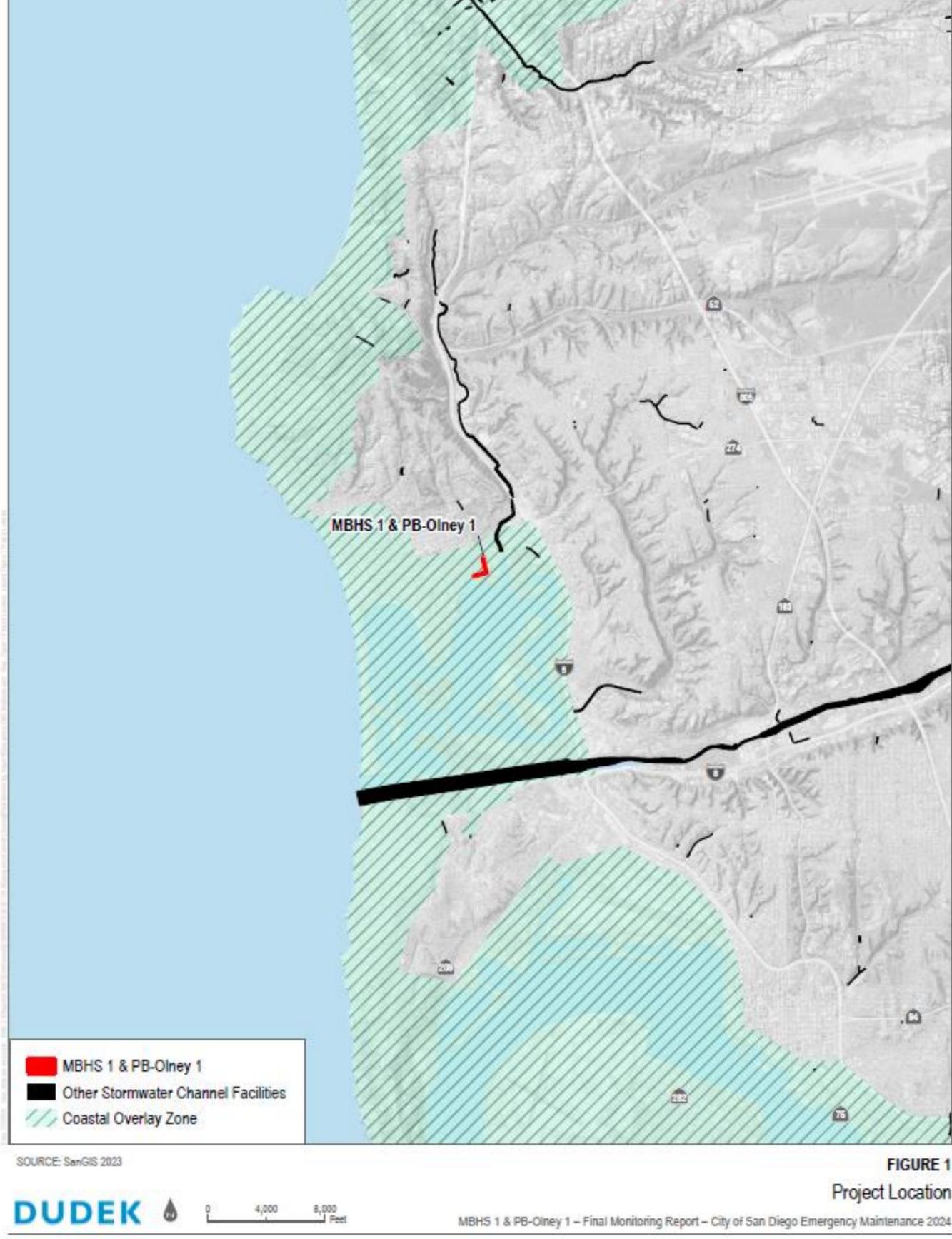




# MBHS 1 & PB-Olney 1



# Project Location





# Project Location



- Maintenance Area
- ★ MBHS 1
- ★ PB Olney 1

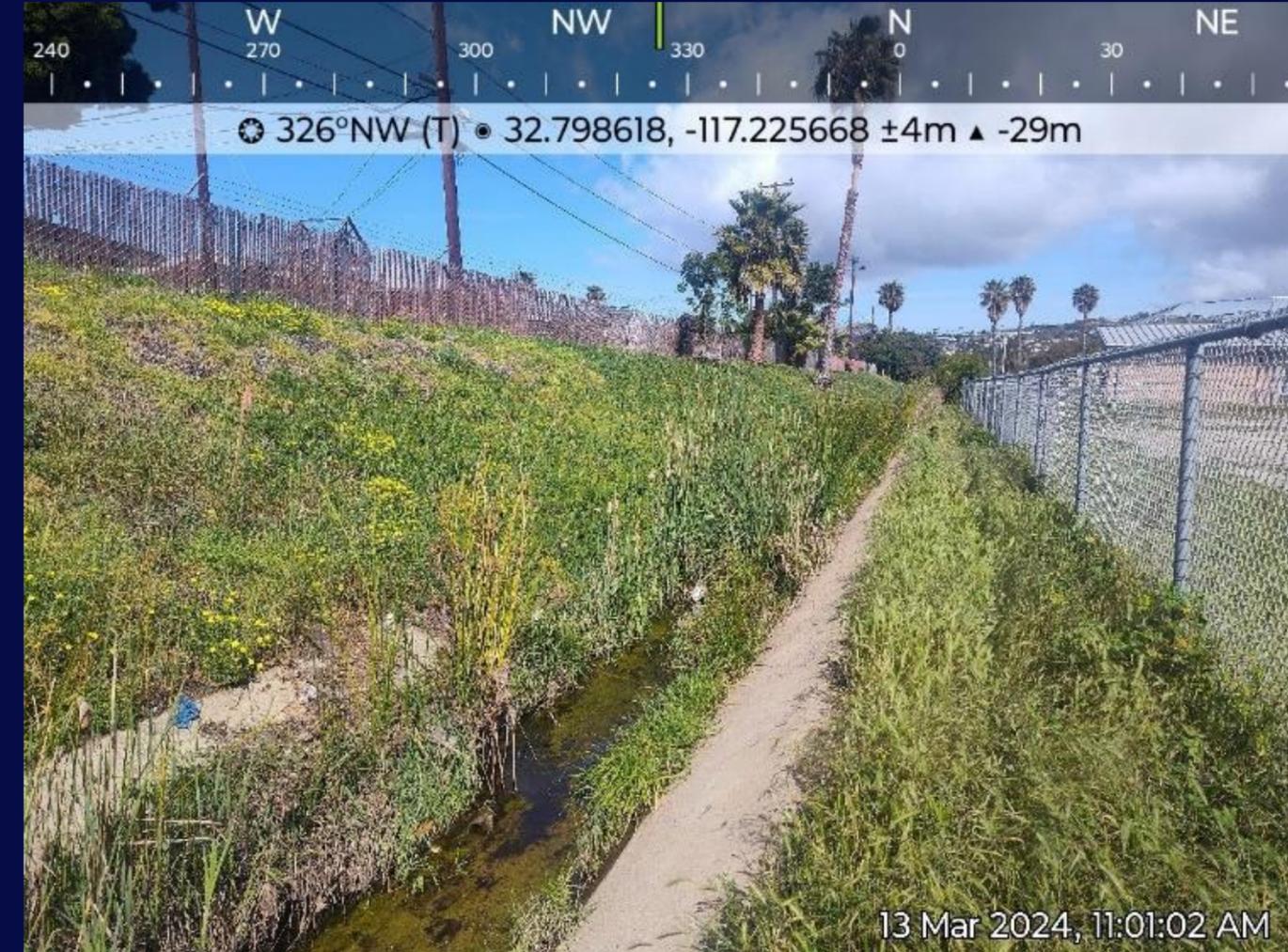
**PB Olney 1 (3-02-101) & MBHS 1 (3-02-103)**  
FY 24 Emergency Channel Maintenance  
Municipal Waterways Maintenance Plan Annual Report  
October 2024





# Project Background

- High levels of sediment, vegetation and debris within the channel due to an intense rainstorm on January 22, 2024
- Alleviate the threat to life and property caused by impending conditions and precipitation forecast



Buildup of vegetation within the channel, (3/13/2024)



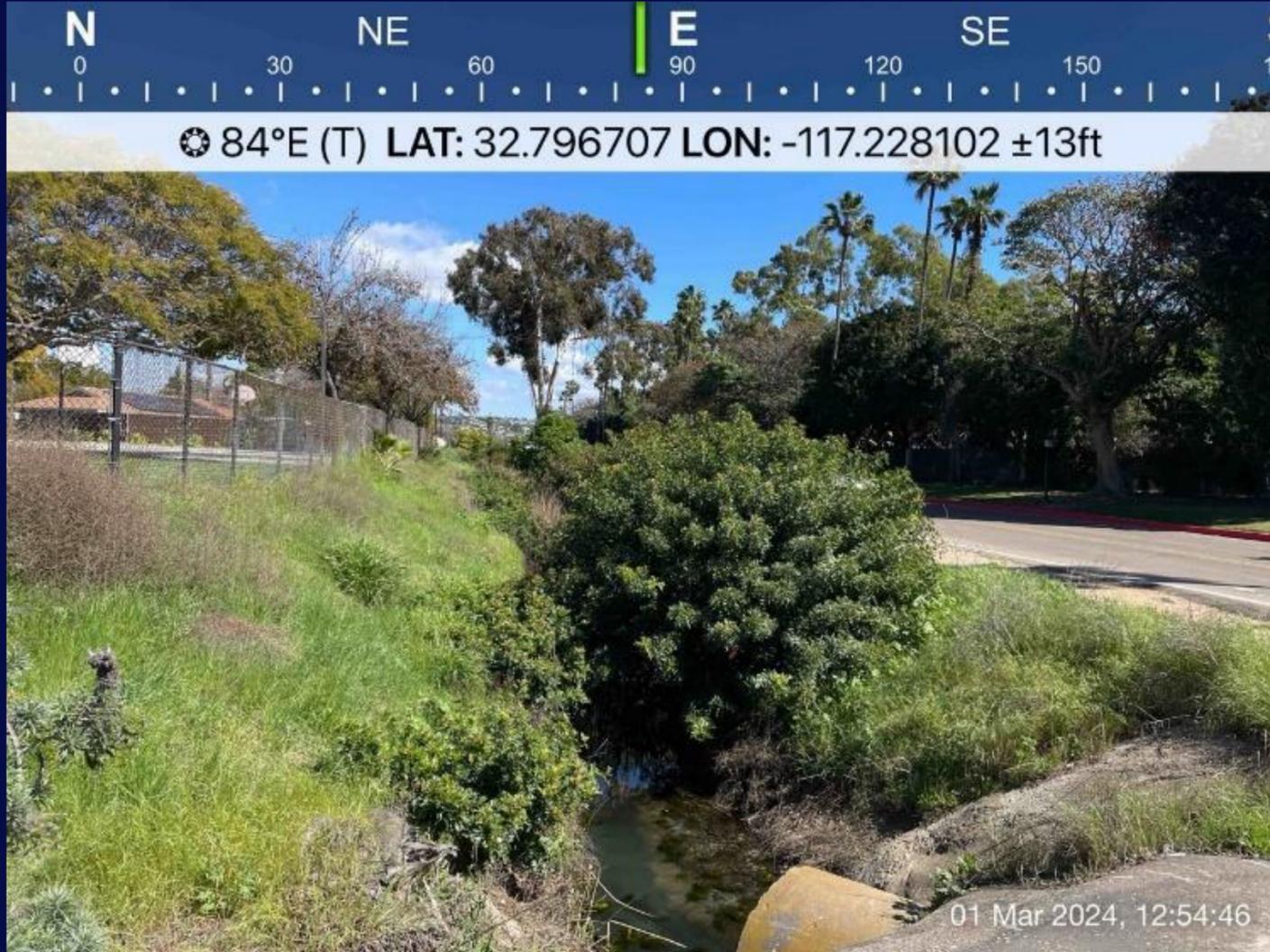
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**Buildup of vegetation within the channel, (3/13/2024)**

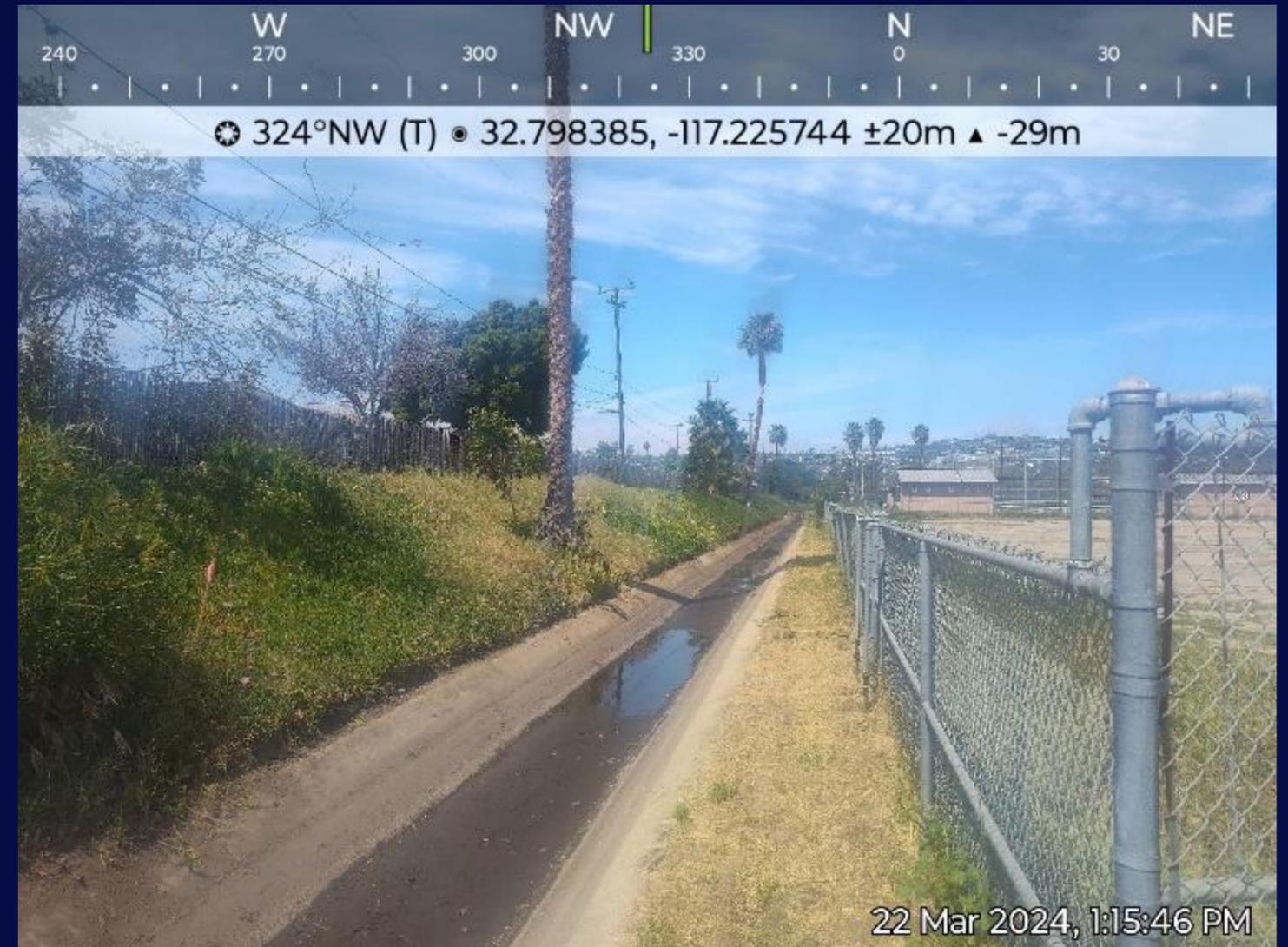
# Initial Conditions



Channel on first day of maintenance- 3/1/24



# Post- Maintenance



Post-maintenance photos taken March 22, 2024



# Contact Information

## **Gabrielle Borquez**

Assistant Planner

[GBorquez@san Diego.gov](mailto:GBorquez@san Diego.gov)

(619)-643-2292

## **Melissa Hamendi**

Associate Engineer

[MelissaH@san Diego.gov](mailto:MelissaH@san Diego.gov)

(619)-527-5451

## **Phil Lizzi**

Senior Planner

[PLizzi@san Diego.gov](mailto:PLizzi@san Diego.gov)

(619)-527-7573

## **Lester Del Rosario**

Senior Engineer

[LDelRosario@san Diego.gov](mailto:LDelRosario@san Diego.gov)

(619)-527-7640



# Thank you!

