





Nonpoint Source Implementation Plan Update

Overview:

- On February 18, 2022, the Central Coast Regional Water Quality Control Board adopted a Basin Plan amendment establishing total maximum daily loads (TMDLs) for turbidity in the Gabilan Creek watershed.
- The MCWRA operates pump stations facilities in several streams in the lower Gabilan Creek watershed.
- MCWRA is required to meet TMDL load allocations during pump operations.

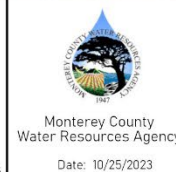
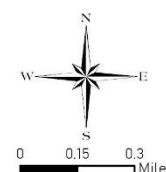




Gabilan Watershed Pump Stations

Legend

- | | |
|----------------------------|----------------------------|
| Pump Station | Detention Basins/Dry Lakes |
| Reclamation Ditch | Upstream Monitoring Site |
| Downstream Monitoring Site | |





Nonpoint Source Implementation Plan Update

TMDL Implementation Requirements:

- Development of a Nonpoint Source (NPS) program for meeting turbidity water quality objectives.
- NPS program includes the following Best Management Practices:
 - Decrease pump operation times.
 - Operate low flow capacity pumps during the summer months.
 - Improve riprap protection of the channel banks on discharge side of the pump stations to reduce erosion.
 - Water Quality Monitoring at pump stations.





Nonpoint Source Implementation Plan Update

Turbidity Water Quality Objectives:

- Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20 percent.
- Where natural turbidity is between 50 and 100 NTU, increase shall not exceed 10 NTU.
- Where natural turbidity is greater than 100 NTU, increases shall not exceed 10 percent.



Nonpoint Source Implementation Plan Update

Timeline:

PUMP STATION NAME	MANAGEMENT PRACTICE ALTERNATIVE (MP No. 1)	TIMELINE	MANAGEMENT PRACTICE ALTERNATIVE (MP No. 2)	TIMELINE	MANAGEMENT PRACTICE ALTERNATIVE (MP No. 3)	TIMELINE
ESPINOSA	Adjust ON/OFF pump run setpoints.	By May 2025	Not Applicable	-	Improve riprap armoring in channel downstream of PS	By December 2027
LOWER MERRITT (Pilot Project)	Not Applicable	-	Operate portable small HP engine driven pump.	By May 2025	Improve riprap armoring in channel downstream of PS	By December 2027
UPPER MERRITT (Pilot Project)	Not Applicable	-	Operate existing electrical small HP pump	By May 2025	Improve riprap armoring in channel downstream of PS	By December 2027
SANTA RITA	Not Applicable	-	Operate portable small HP engine driven pump.	By May 2025	Improve riprap armoring in channel downstream of PS	By December 2027





Nonpoint Source Implementation Plan Update

Progress to Date

- MCWRA is currently conducting a Nonpoint Source Implementation Plan Pilot Study at the Lower Merritt Pump Station.
- Water Quality and flow data is being collected and monitored.



Nonpoint Source Implementation Plan Update



Nonpoint Source Implementation Plan Update





Nonpoint Source Implementation Plan Update

Questions?



