

Environmental Services Division Update

Subregional Technical Advisory Committee

October 9, 2025

Presented by Sean McNeil, Deputy Director of Environmental Services

Overview

1. Laguna TMDL
2. Trucked Waste Program



2023 Triennial Review of Water Quality Control Plan

- 3-year workplan for North Coast Region
- Proposes new regulations in Laguna de Santa Rosa Watershed
 - Concerns are: Nutrient, Temperature, and Dissolved Oxygen

Options

- TMDL Action Plan -
Wasteload Allocations
- Advanced Restoration Plan
- Action Plan



Total Maximum Daily Load (TMDL)

- Action plans to restore and maintain clean surface waters in “impaired” waterbodies
- Consists of:
 - Problem statement
 - Numeric targets
 - Source analysis
 - Allocations
 - Implementation plan



At Vacation Beach near Guerneville, light green Azolla, or duckweed, thrives in the stagnant water of the Russian River on Wednesday. The darker green vegetation is Ludwigia, or water primrose. (Kent Porter / The Press Democrat)

Phosphorus

Land Cover	Median Load/Year	Acres in Watershed	Cost if No Net Load*
Forest	5,884	48,315	\$ 529,560
Cropland and pasture	86,032	44,458	\$ 7,742,880
Rangeland	15,726	21,767	\$ 1,415,340
Residential with sewer	20,729	15,348	\$ 1,865,610
Residential w/out sewer	14,926	9,857	\$ 1,343,340
Commercial	8,873	8,577	\$ 798,570
Orchards and vineyards	13,938	12,825	\$ 1,254,420
Other	1,622	1,461	\$ 145,980
Total	167,730	162,608	\$ 15,095,700
* Assumes 1:1.5 ratio and \$60/credit			

Over \$4,000,000 per year for all MS4s

Advanced Restoration Plan (ARP)

- Focus on defining restoration goals in advance of a TMDL
- Near-term plan with schedule and milestones
- Not adopted into the Basin Plan
- Does not impose waste load allocations
- Designed to be more immediately beneficial to restore water quality objectives
- As of April 2025, US EPA has approved 115 ARPs in 28 different states

Action Plan

- Hybrid planning and restoration option
- Adopted into Basin Plan
- Waterbody specific
- Source Reductions + Actions = Water Quality Objectives



Next Steps

- Form a task force to discuss options
 - About 10 meetings
 - Diverse stakeholder group
 - Engage with local tribes
- Work with Regional Board to modify permits
- Implement new work plans



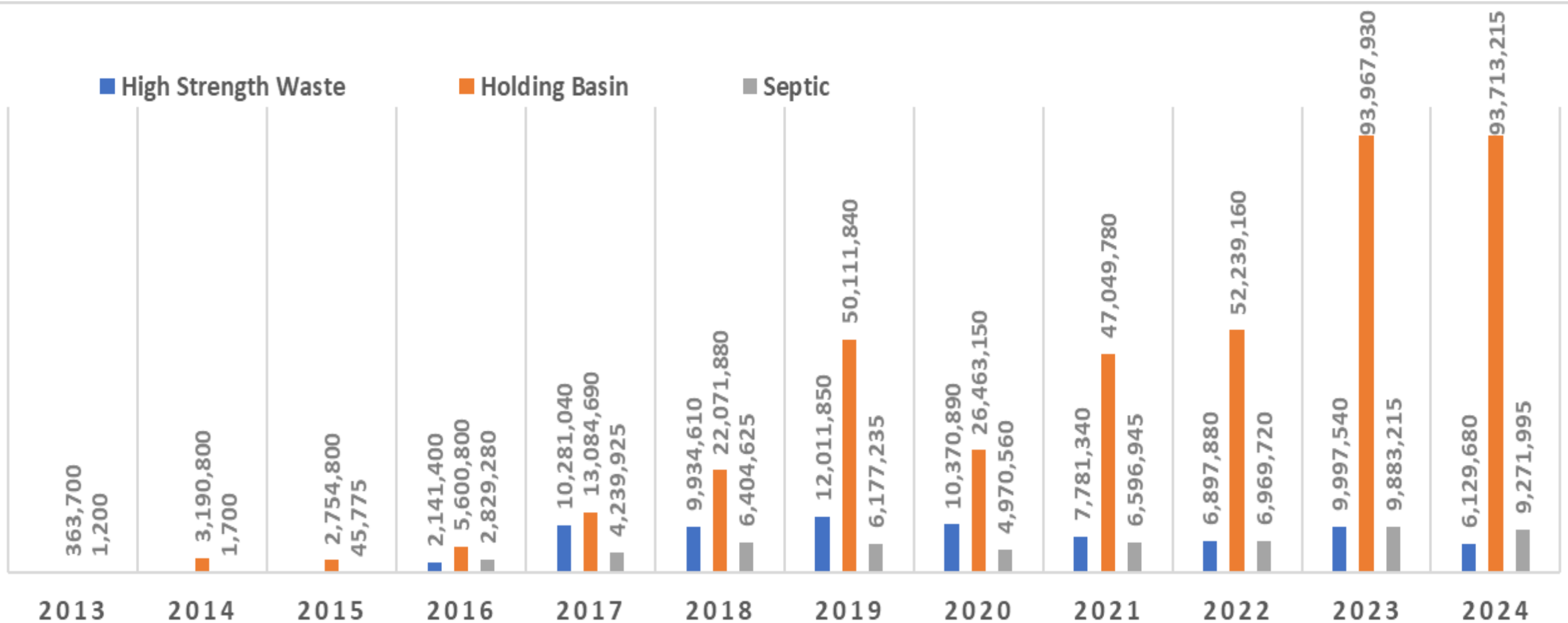
Trucked Waste Program

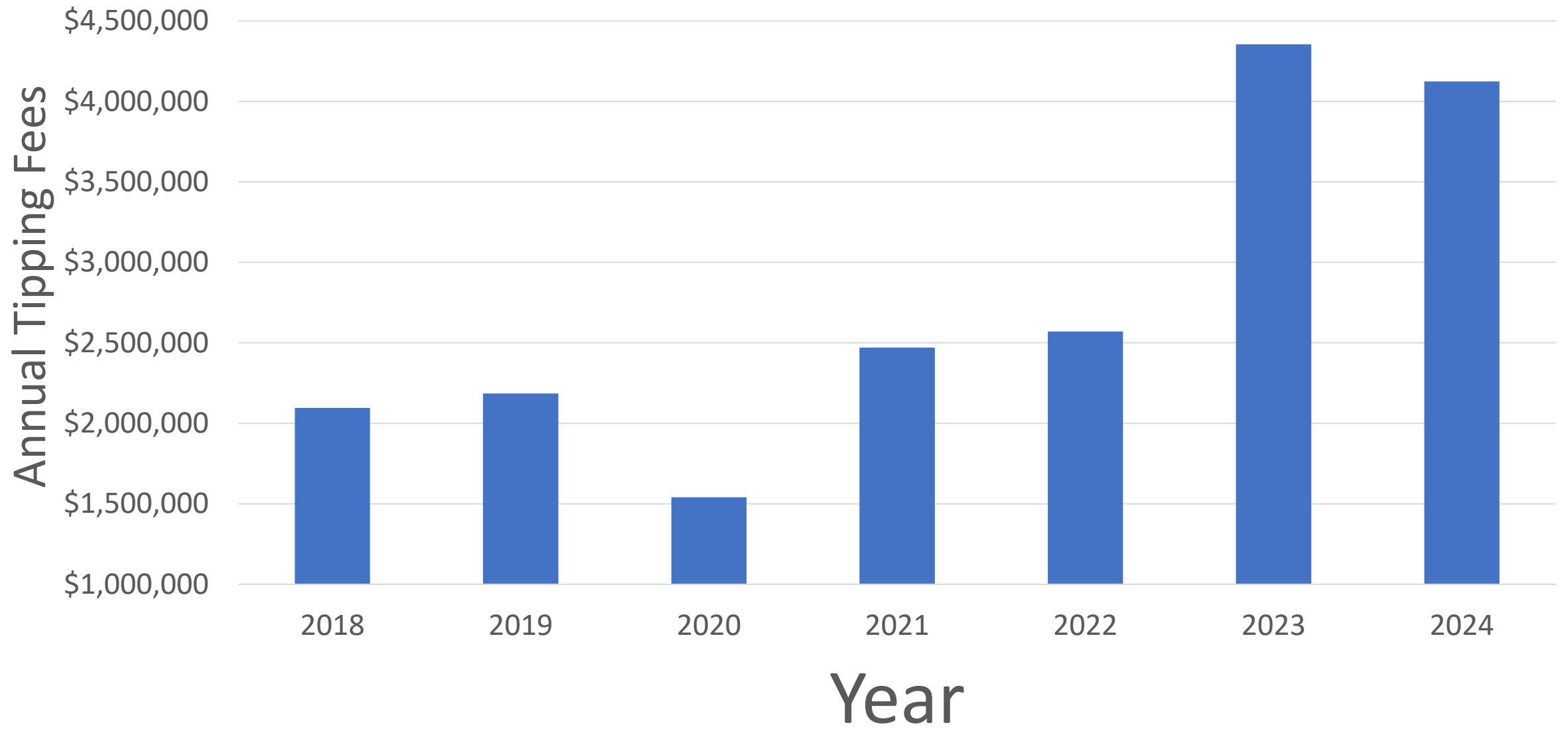


Cost of Service Based on Waste Strength

Waste Strength	Cost per Gallon	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)
Low	\$ 0.024	Less than 150	Less than 150	Less than 25
Medium	\$ 0.042-0.046	151-9,999	151-29,999	Greater than 25
High	\$ 0.04	10,000	30,000	NA
Septic	\$ 0.13	NA	NA	NA

Gallons of Waste Types Received by Year





Compliance 2022-2023

- 18 Notices of Violation
- 3 Administrative Orders
- 3 Permits terminated or suspended



Trucked Waste Support Team

- Administration (billing and communication)
- Operations (operate system and treat wastes)
- Maintenance (maintain facilities, including cameras)
- IT (support software and check-in kiosk)
- Laboratory (analyze samples from trucks)
- Environmental Compliance (Manage program, permits, communications, oversee billing, potential marketing)
- Management (provide direction and resources to run program)

Questions