

Environmental Services Update

Trucks, Phosphorus, and Forever Chemicals

Regional TAC 10-14-21



OUR FUTURE IN EVERY DRÖP

Overview

- Trucked Waste Program
- Phosphorus compliance
- PFAS Sample Results

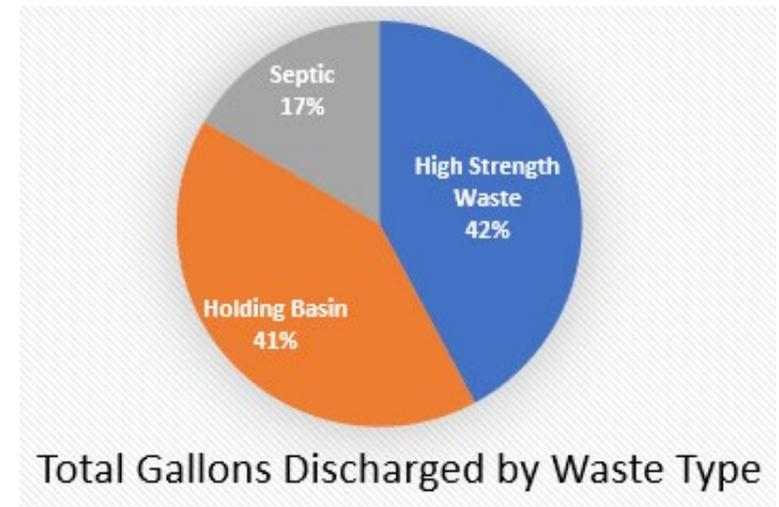


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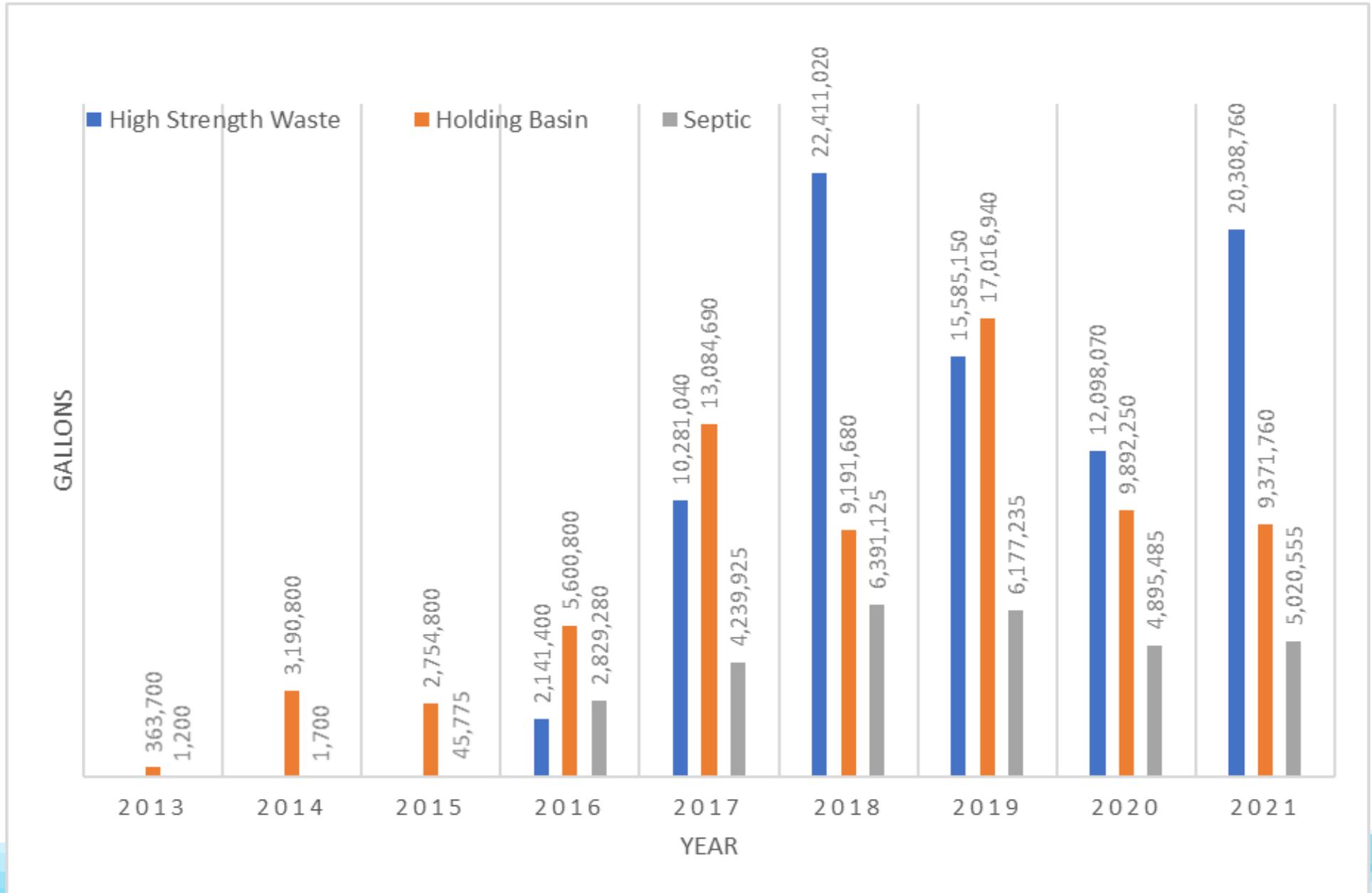
Trucked Waste Program

Three Locations for Receiving Trucked Waste

- Septic Receiving Station- 13¢/gallon
 - Portable Toilets/Chemical Toilets*
 - Septic Tank Cleanouts*
- High Strength Waste Station- 4¢/gallon
 - Animal Processing Waste*
 - Beverage Processing Waste*
 - Fats, Oils, and Grease (FOG)/Inedible Kitchen Grease*
 - Food Processing Liquids*
- Emergency Holding Basin- 2¢/gallon
 - Equipment Rinsate (Clean-in-Place)*
 - Groundwater*
 - Landfill Leachate (mostly via Pipeline)*



Trucked Waste Program



Trucked Waste Program Evaluation

- Review costs of program including additional staffing, wear and tear on asphalt, engines, etc.,
- Review tipping fees to ensure accurate for costs of treating
- Identify other potential revenue sources (i.e. wine waste, expanded high strength waste)
- Generate strategic synergies (i.e. HSW and energy production)

Phosphorus Compliance

- Negotiated changes to Water Quality Trading Framework
- Regional Board published proposed changes
- Hearing scheduled for December 2-3, 2021
- If approved, will allow credits from creek restoration on publicly protected land to last in perpetuity (or until used)

PFAS

Forever Chemicals



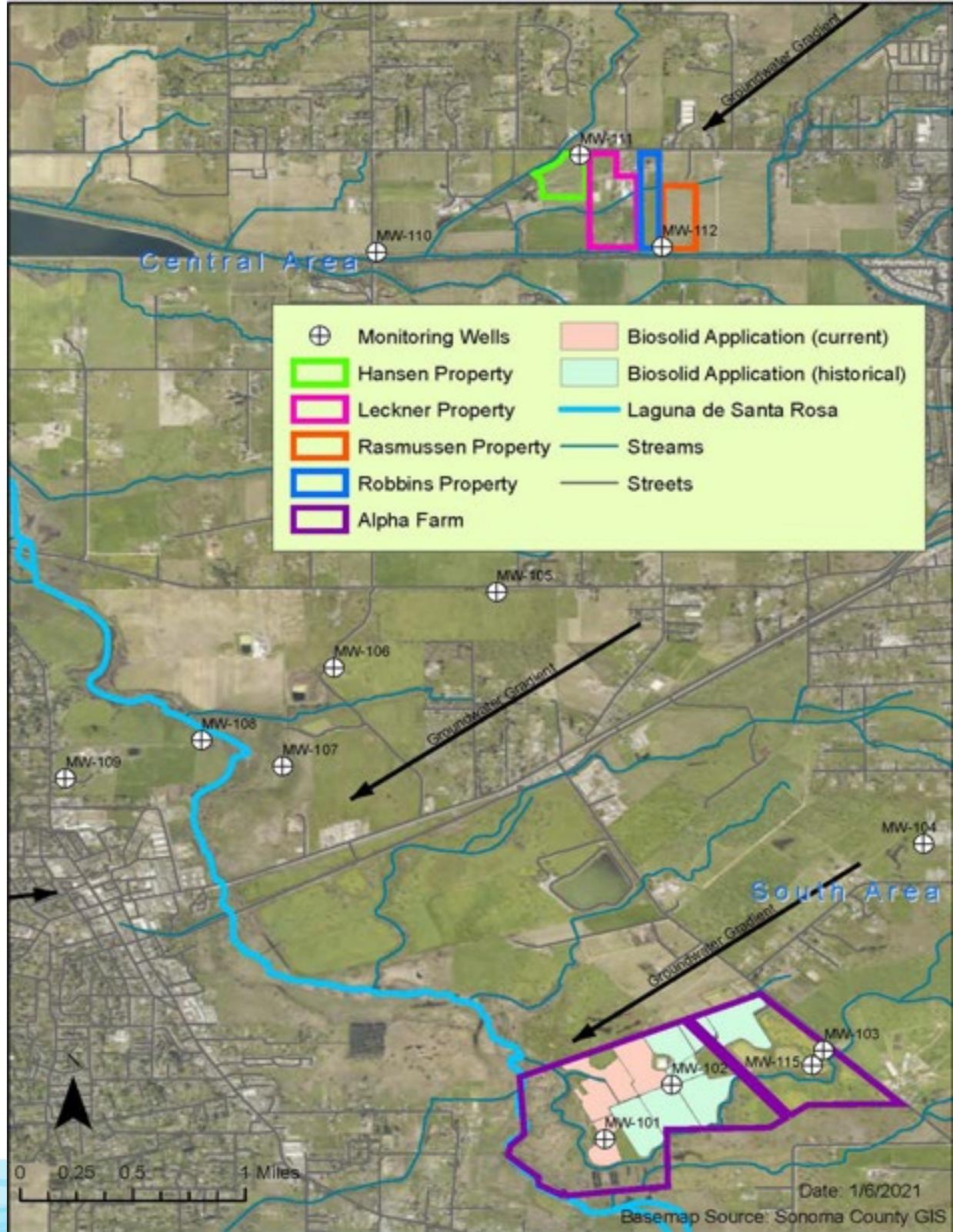
- Human made chemicals that are used in various industries since the 1940s.
- Including:
 - Food containers
 - Electronics
 - Carpet
 - Paint, sealants, and varnishes
 - Personal Care Products
 - Firefighting foams

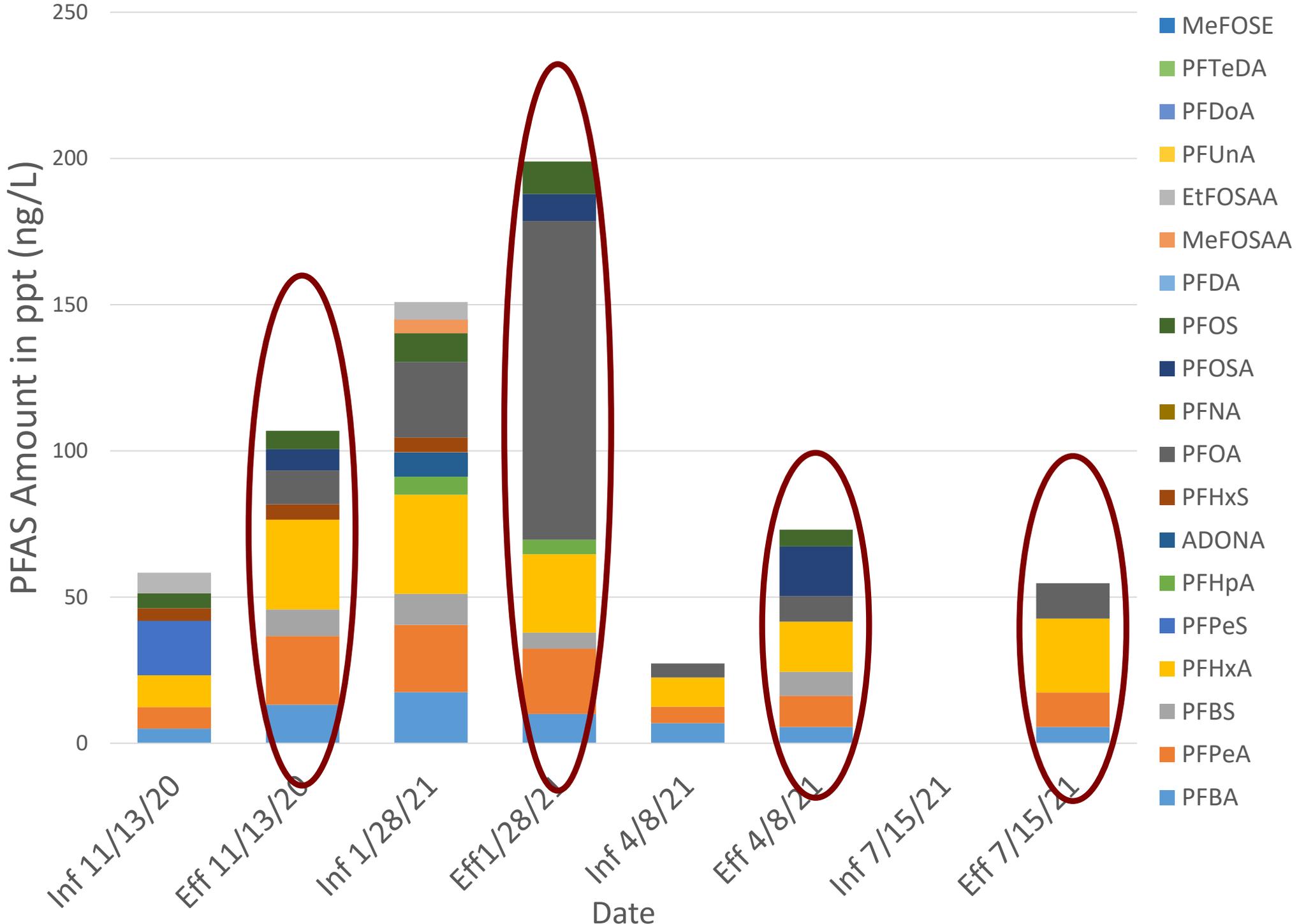


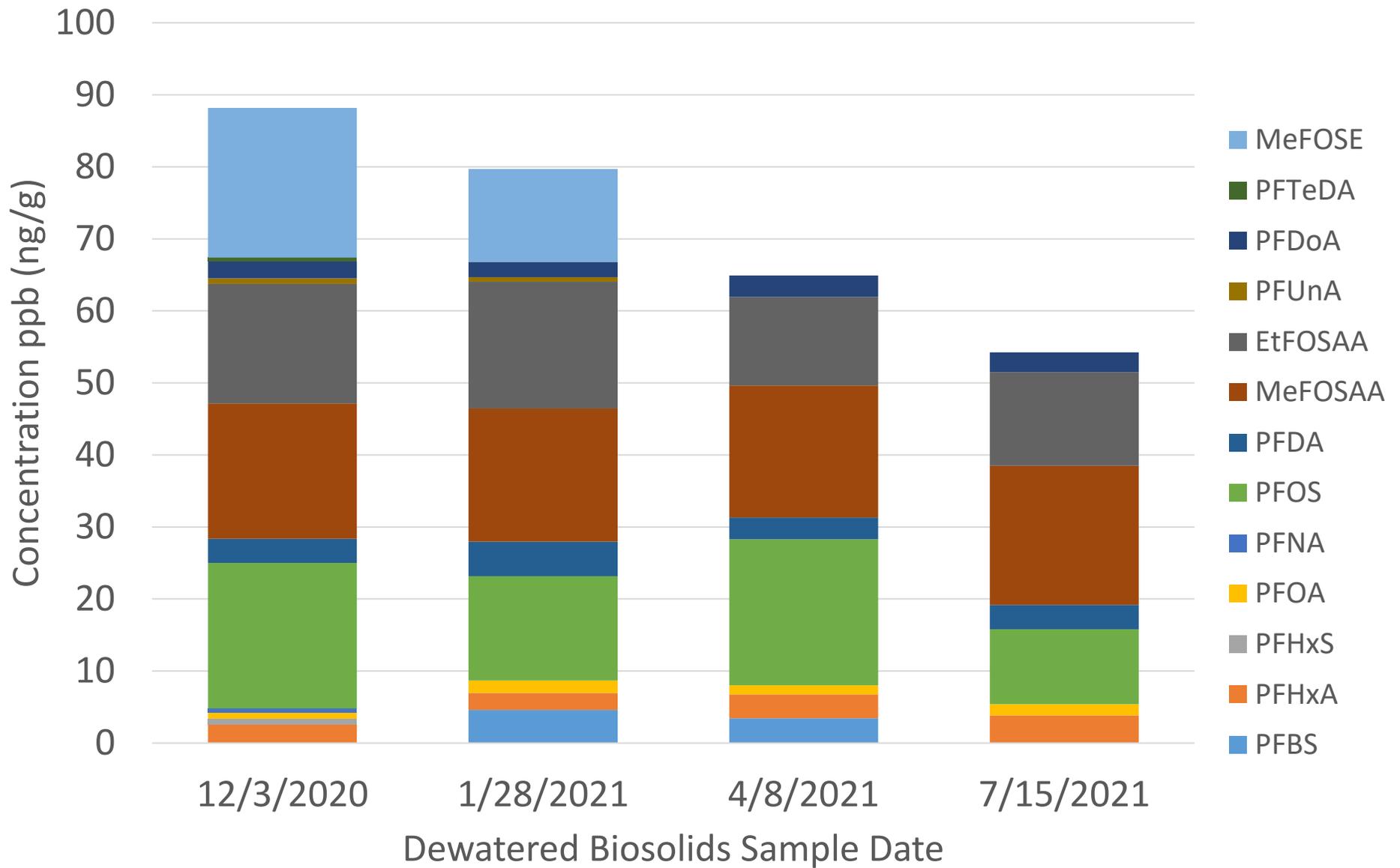
OUR FUTURE IN EVERY DRÖP



OUR FUTURE IN EVERY DROP



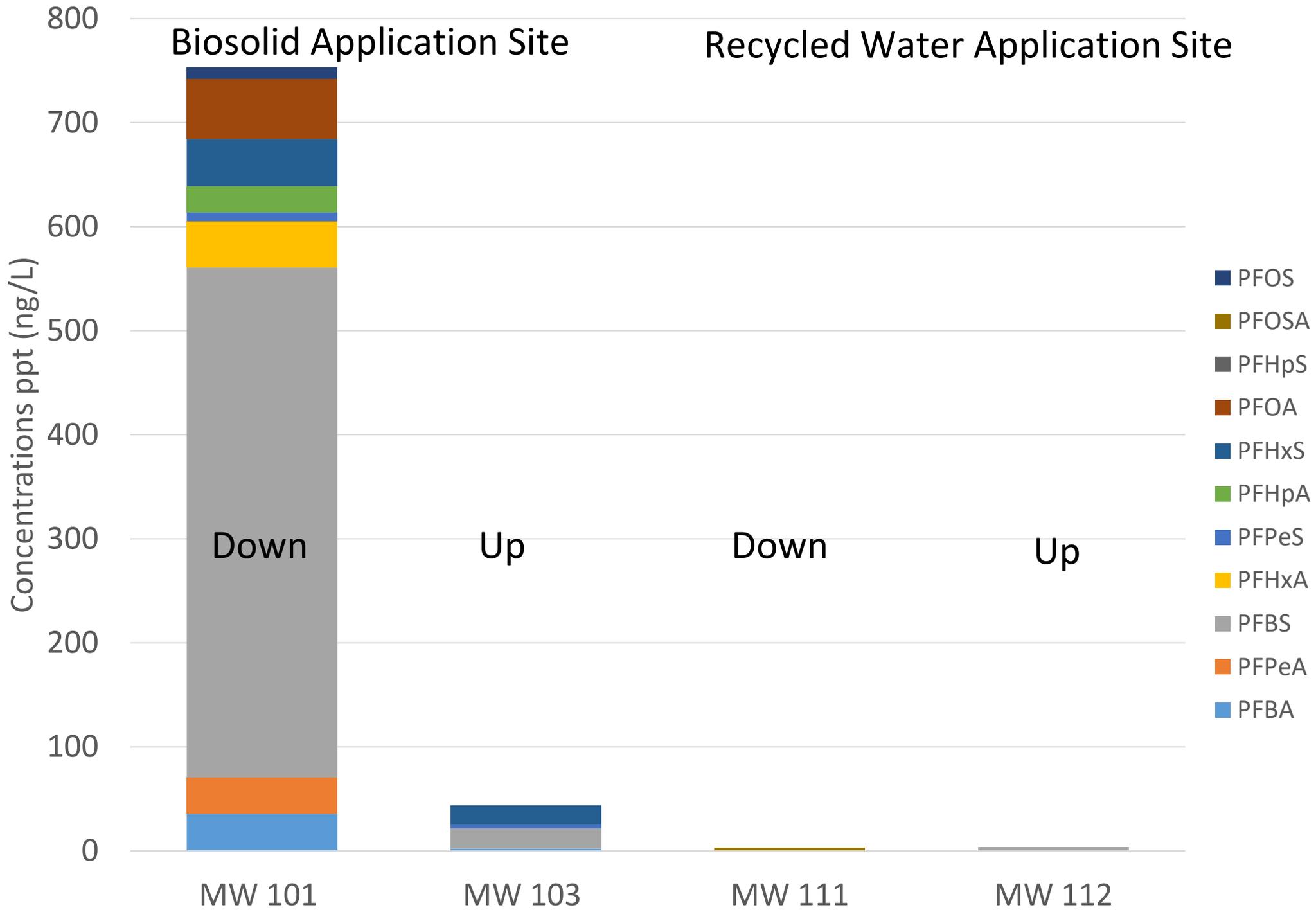




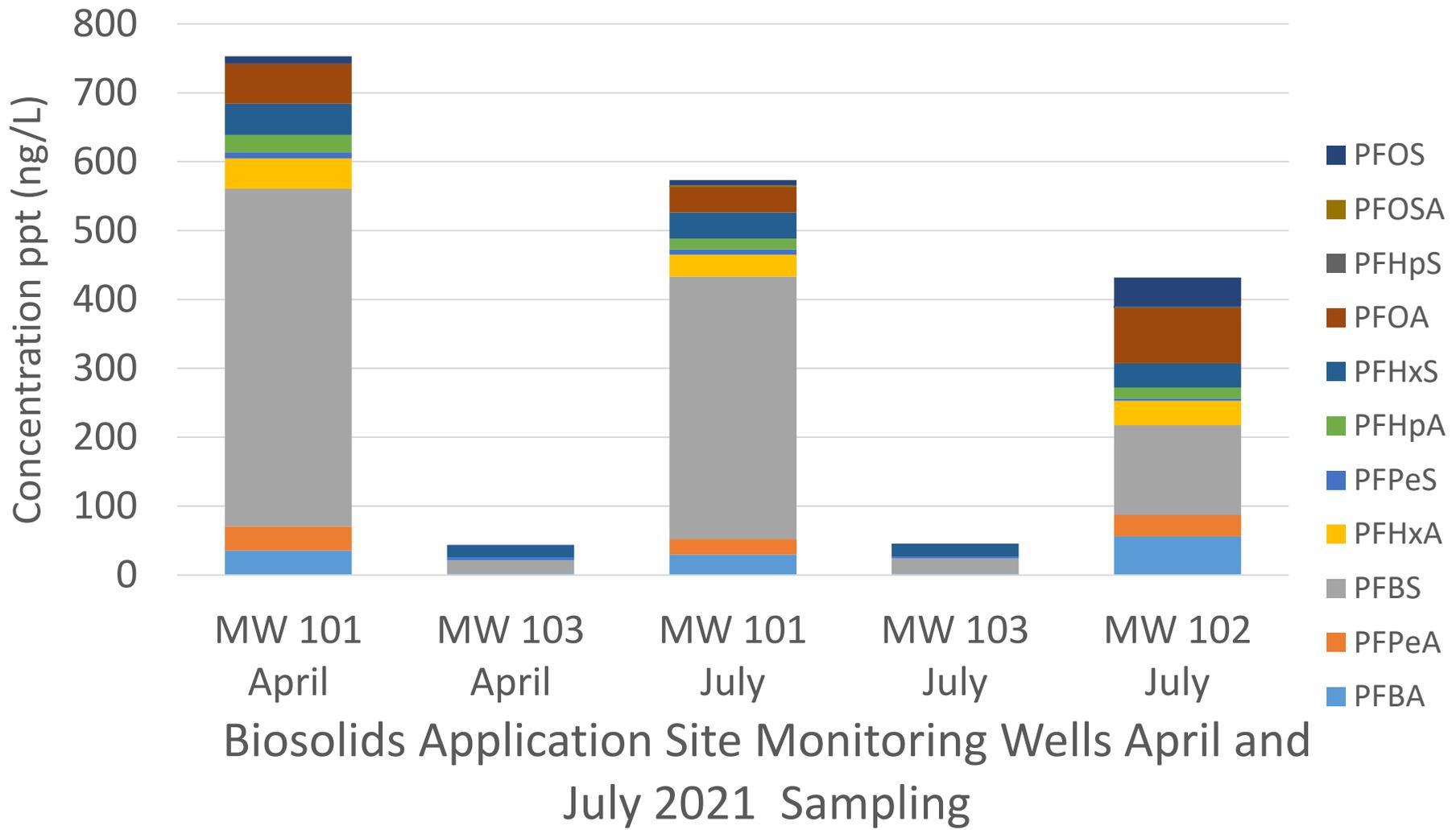
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Biosolid Application Site

Recycled Water Application Site



Monitoring Wells Sampled in April 2021



Discussion

- Understanding and making decisions from the data is challenging.
- Influent had the most noticeable seasonal variation
- As expected, the effluent had higher concentration compared to the influent
 - Possibly because of organic precursors
- Results for the downgradient wells in biosolids area show higher levels of PFAS