

Quantifying abundance and distribution of microplastics in sediment from St. Eustatius beaches.

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Microplastics are an increasing environmental concern, due to their interaction with marine ecosystems. Due to the exposed nature of the island of Sint Eustatius, and the rich biodiversity of the small island, research on microplastics can both build on global understanding and identify whether the rich biodiversity is potentially exposed. Research will be conducted to quantify concentrations of microplastics on the three main beaches of Sint Eustatius: Oranje Bay, Zeelandia Beach, Lynch Beach. A preliminary analysis of trends in microplastic distribution across the beach segment will also be undertaken on Zeelandia Beach. Results will be compared with an identical study at Meijendel beach in Zuid Holland.