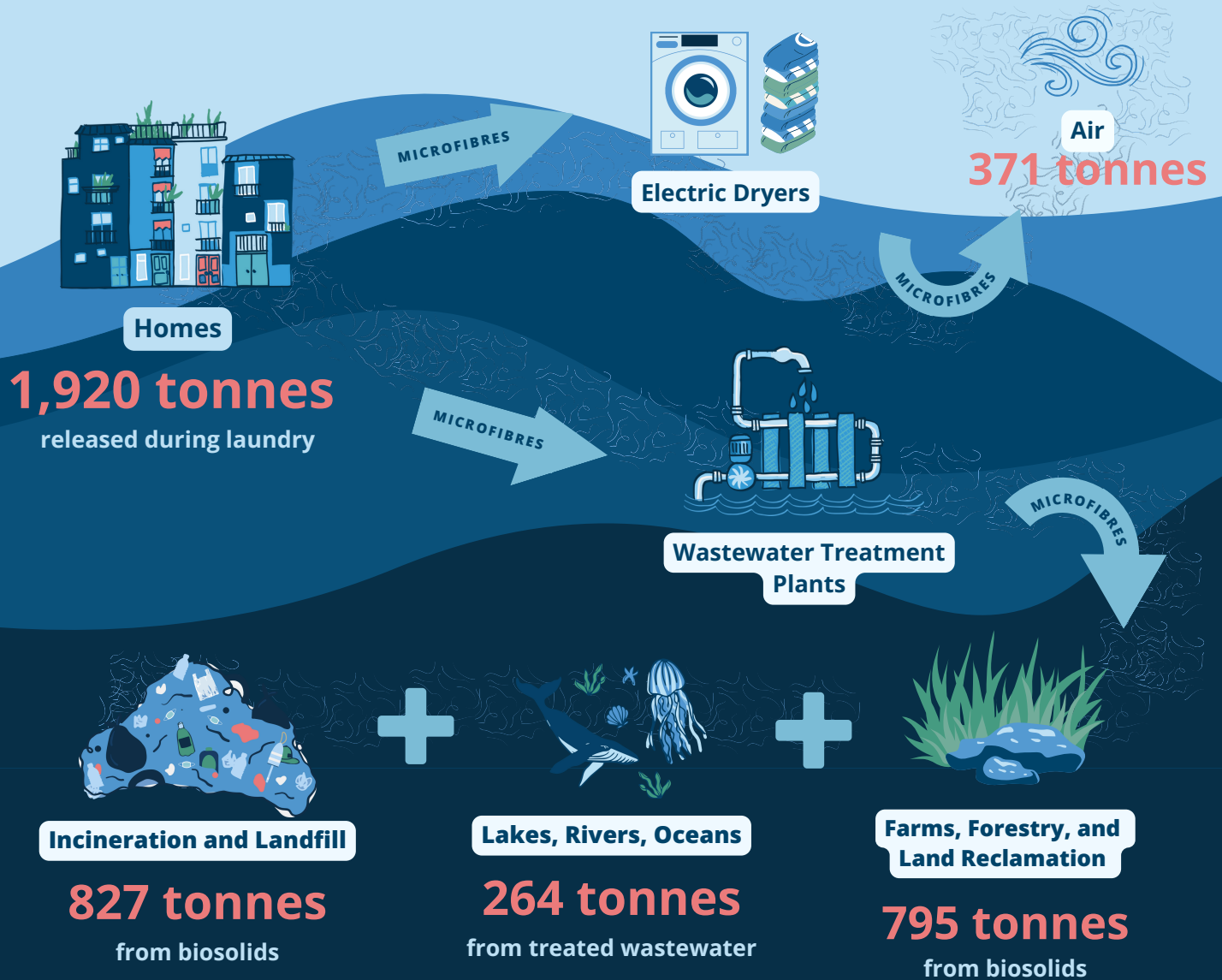


TEXTILE MICROFIBRES IN CANADA BY THE NUMBERS

Every year, **1,465 tonnes** of microfibres - the equivalent weight of **5,426 grizzly bears** - are released into the Canadian environment from home laundry.



DATA GAPS

There's a lot we don't know about microfibre pollution from these sectors.



COMMERCIAL LAUNDRY



MARITIME EFFLUENTS



TEXTILE MANUFACTURING

CONVERSION KEY

1 TONNE = 1,000 Kg
1 GRIZZLY BEAR ≈ 270 Kg



Home laundry emissions estimated from Vassilenko et al. (2021) at 219 cycles per household per year (NRC, 2011). Air emissions estimated from Tao et al. (2021). Release estimates from a WWTP retention rate of 86% (Sun et al., 2019), and proportions of biosolid treated, used and disposed (CH2MHill Canada, 2000). Estimates of environmental releases include additional untreated wastewater releases of approximately 35 tonnes. See our full report for details: *Tackling microfibre pollution through science, policy, and innovation*. DOI: 10.70766/47.9973.