

ESTIMATED EXPENDITURES ON INVASIVE SPECIES BY ONTARIO MUNICIPALITIES & CONSERVATION AUTHORITIES

Between 2017-2019, the Invasive Species Centre (ISC) conducted online and telephone surveys to review current known and reported expenditures on invasive species incurred by municipalities and conservation authorities in Ontario. We received data from 147 municipalities and 23 conservation authorities specific to the most recent fiscal year or annual expenditures. Estimates are based on averages and extrapolations of this data.




Total estimated expenditures by municipalities and conservation authorities across Ontario:

\$50.8 MILLION/YEAR

Estimated average expenditure per Ontario municipality:

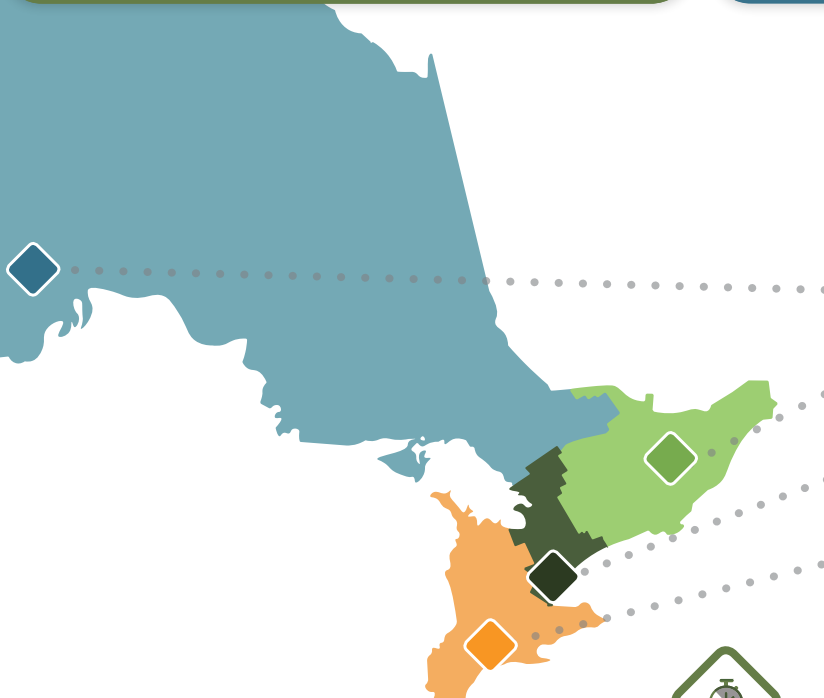
\$218,148/YEAR

This number includes an average \$1,077,562/YEAR spent by urban areas, \$213,518/YEAR spent by counties, and \$28,976/YEAR spent by townships.



Estimated average expenditure per Ontario conservation authority:

\$314,724/YEAR

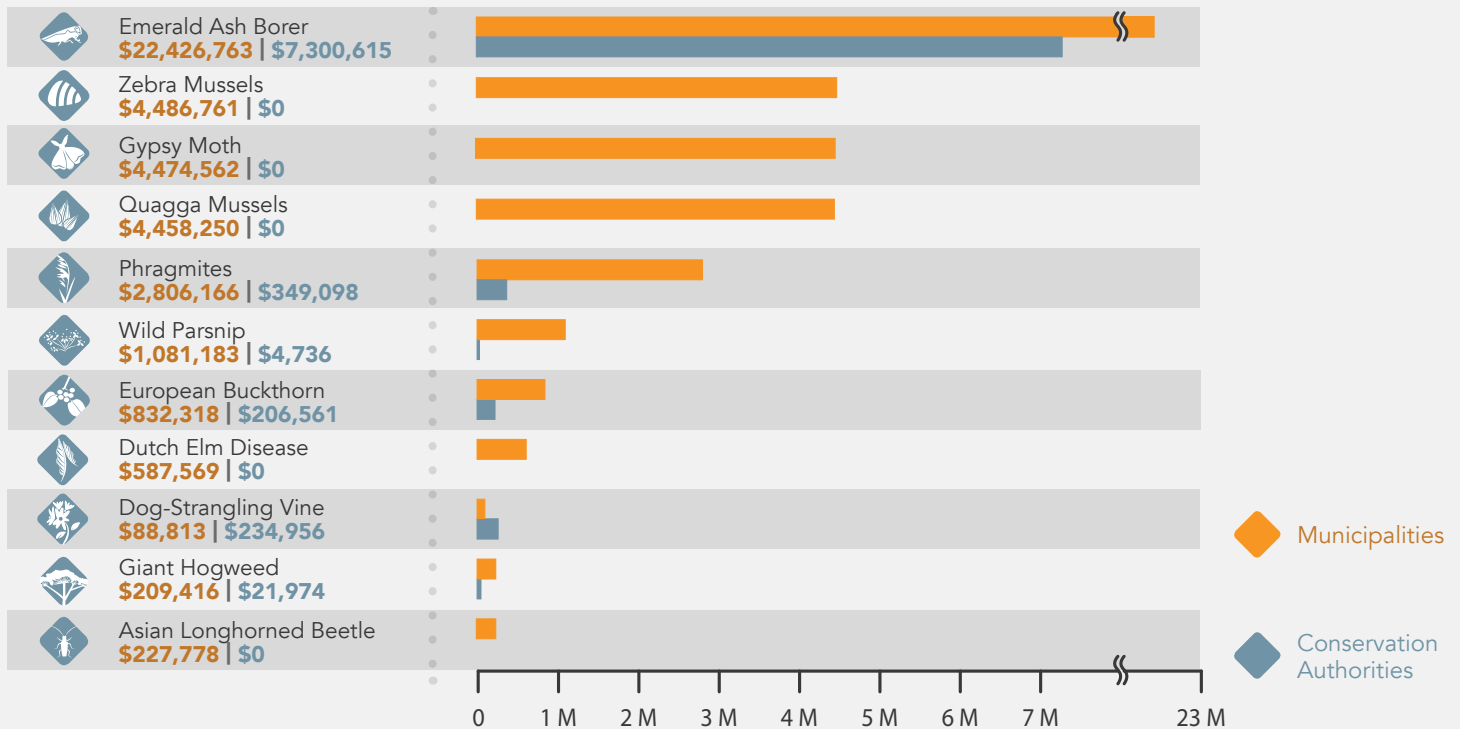
AVERAGE ANNUAL EXPENDITURES BY REGION:	
PER MUNICIPALITY	PER CONSERVATION AUTHORITY
\$10,770	\$9,735
\$132,424	\$293,757
\$527,573	\$710,222
\$172,939	\$127,403



Invasive Species Centre

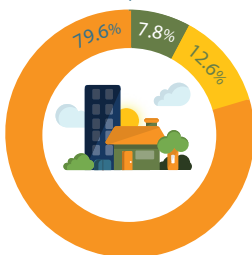
While this report estimates what Ontario municipalities and conservation authorities are spending on invasive species, this is just a fraction of the economic impacts of invasive species. The potential economic impacts on agriculture, fisheries, forests, healthcare, tourism and the recreation industry are estimated to be approximately **\$3.6 billion/year in Ontario.**¹

ESTIMATED ANNUAL EXPENDITURES ON INDIVIDUAL INVASIVE SPECIES

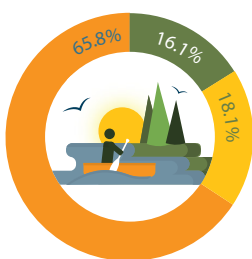


HOW WAS THE MONEY SPENT?

Municipalities

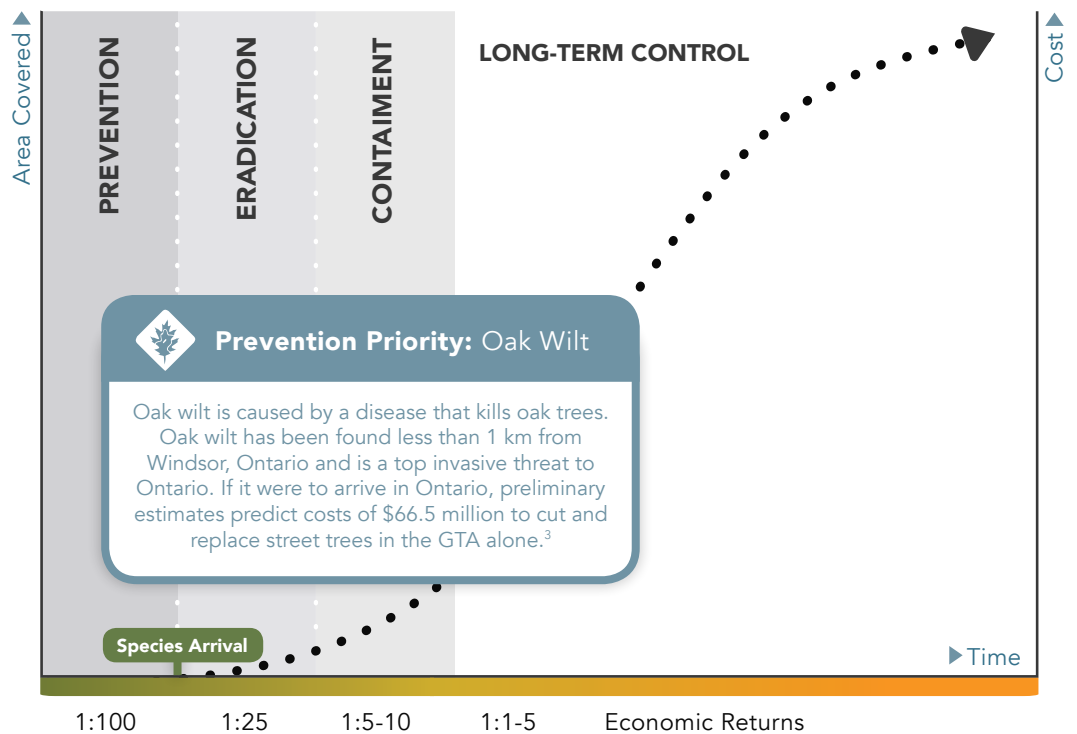


Conservation Authorities



- ◆ Prevention
- ◆ Detection
- ◆ Control & Management

It pays to invest in prevention. The invasion curve shows that investing in prevention provides economic returns **100x higher** than management after species arrival.²



¹ Vyn, Richard. 2017. "An Assessment of the Costs and Economic Impacts of Invasive Species in Ontario." Report prepared for the Invasive Species Centre.

² Adapted from the Generalised Invasion Curve (Agriculture Victoria, 2009).

³ Canadian Forest Service, 2018. Unpublished data.

Zebra mussel photo: Amy Benson, U.S. Geological Survey, Bugwood.org.

Vyn, Richard. 2019. "Estimated Expenditures on Invasive Species in Ontario: 2019 Survey Results." Report prepared for the Invasive Species Centre.

Contact info@invasivespeciescentre.ca for a copy of the full report.